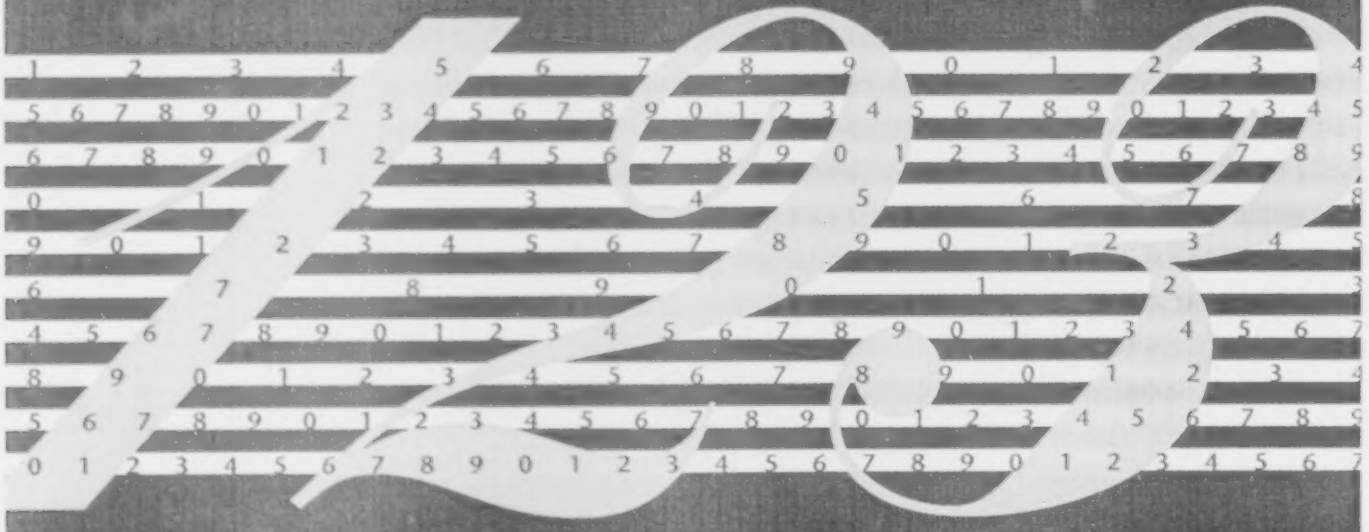
Selected Vital Statistics and Health Status Indicators

ONE HUNDRED AND THIRTY-SECOND

Annual Report 2003

BRITISH COLUMBIA VITAL STATISTICS AGENCY



Vital Statistics

British Columbia
Vital Statistics Agency

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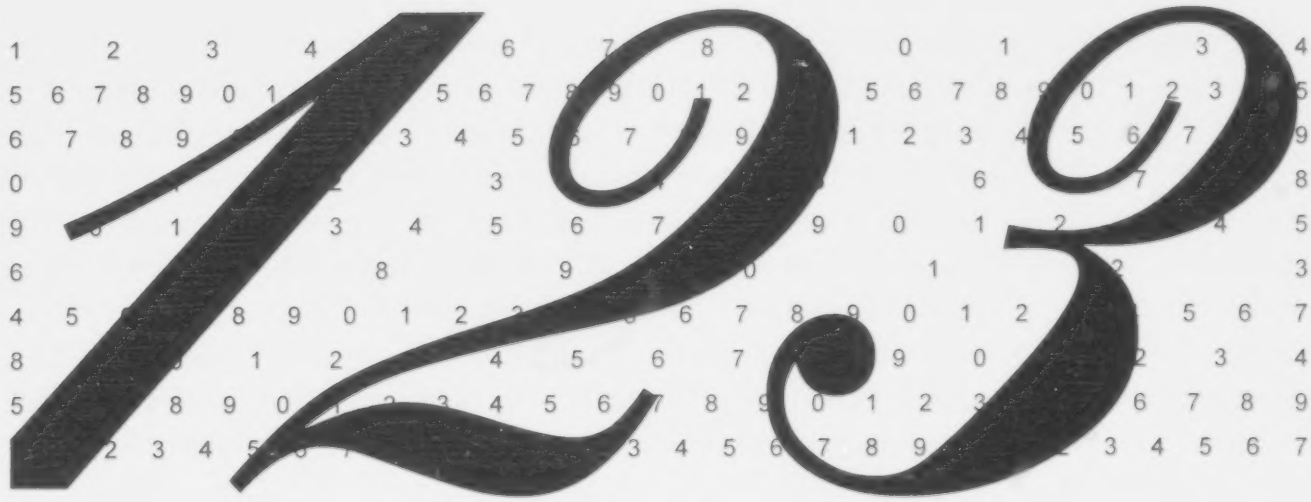

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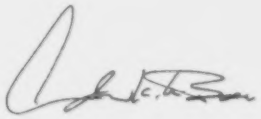
Foreword

The British Columbia Vital Statistics Agency is pleased to present the 2003 Annual Report, the one hundred and thirty-second published since the establishment of the Division of Vital Statistics in 1872. The tables, figures, and maps in this publication are based on information collected from registrations of live births, stillbirths, deaths, and marriages, and update provisional statistics released throughout the year in the Agency's Quarterly Digest.

This publication contains tables, figures, and maps that summarize selected information about the health of British Columbians. The report includes a detailed glossary, defining the terms and statistical methods used in the body of the publication, a list of the Agency's recent publications, and a set of Information Boxes to supplement the standard tables.

Beginning with the 2000 Annual Report the Agency has presented data using the tenth revision of the World Health Organization's International Classification of Diseases (ICD-10) coding scheme. Where possible, this report follows a format consistent with previous annual reports that present statistics from the current year along with comparative statistics from the preceding five years. Many changes in the codes and in the rules for selection of the underlying cause of death preclude direct comparison of data in ICD-10 with data from prior to 2000. Extensive manual reviews using translation tables in conjunction with recoding of data from ICD-9 to ICD-10 enabled the production of trend data. This approach is unique to publications of this Agency.

Vital Statistics would like to acknowledge the many groups and individuals who ensure complete and accurate recording of vital events. Their contributions have resulted in continual improvement in the quality of vital event data.



Andrew K. McBride
Chief Executive Officer
British Columbia Vital Statistics Agency

This annual report is also available on our website: http://www.vs.gov.bc.ca/

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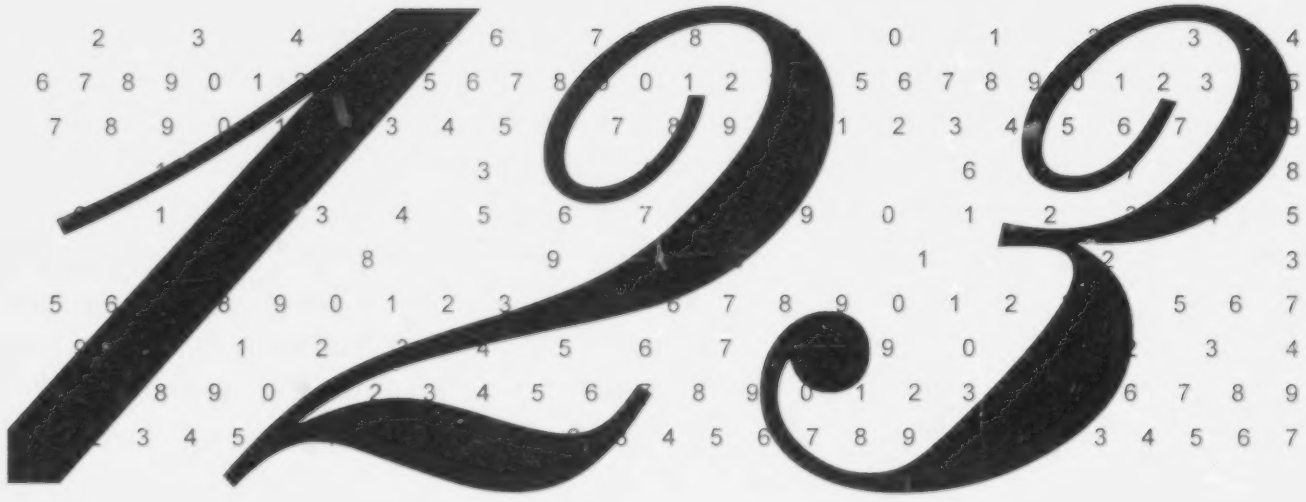
Introduction



Introduction

The Vital Statistics Agency is responsible for the ascertainment, registration, and certification of vital events through the administration of the *Vital Statistics Act*, *Marriage Act*, and *Name Act*. Statistical information contained in this report is summary data provided by the Agency for use by government agencies, health planners, researchers, and the general public. In order to maintain confidentiality, the information does not disclose personally identifiable data.

VITAL EVENT DATA

Live birth, stillbirth, and death statistics in this report summarize events that occurred in the province for British Columbia residents only, and exclude events to non-residents except where specifically noted. Statistics do not include events for British Columbia residents that occurred outside the province; Statistics Canada, in its publications, makes adjustments for events that occur to Canadians outside their province of usual residence. Marriage statistics summarize all events that occurred in the province to either residents or non-residents.

Data presented in this report are based on registrations of birth, stillbirth, death, and marriage as reported to the British Columbia Vital Statistics Agency. Registration requirements for each type of event are outlined briefly as follows:

Live Births: *The Vital Statistics Act* prescribes the legal requirements for the registration of live births. The parent(s) of the child have the responsibility to complete the Registration of Live Birth within 30 days of the event. The physician or registered midwife who was in attendance at the birth must complete a *Notice of Live Birth or Stillbirth* (NOB) form. Other requirements must be met if the birth was not attended by a physician or registered midwife.

Stillbirths: In the event of a stillbirth, the parent(s) must complete the Registration of Stillbirth. The physician or registered midwife who was in attendance at the birth must complete a *Notice of Live Birth or Stillbirth* (NOB) form. In addition, a physician or coroner is required to complete the Medical Certification of Stillbirth portion of the Registration of Stillbirth and deliver it to the funeral director who in turn submits it to the Agency.

Deaths: The physician in attendance at the last illness of the deceased person, or the coroner conducting an inquiry into the death of the person is required to complete a Medical Certification of Death. In addition, the Registration of Death is completed by the informant with assistance from the funeral home. Funeral Directors obtain the Medical Certification of Death, issue the burial permit, and submit the Medical Certification of Death and the Registration of Death documents to the Agency to complete the registration.

Marriages: The *Marriage Act* prescribes the legal qualifications of individuals to marry, the authorization of Religious Representatives and Marriage Commissioners to perform the marriage ceremony, and the solemnization of marriage. Under the *Marriage Act*, the Agency licences Religious Representatives of established religious denominations who desire the authority to solemnize marriage. The Agency recommends for appointment Marriage Licence Issuers and Marriage Commissioners to perform civil ceremonies.

Couples who meet the legal qualifications to marry must obtain a marriage licence up to 90 days before the ceremony. They can choose a civil ceremony performed by a Marriage Commissioner or a religious ceremony performed by a Religious Representative. The Registration of Marriage is completed by the officiant after the ceremony, and must be signed by the officiant, the parties getting married, and two witnesses.

MEDICAL CODING

The *Notice of Live Birth or Stillbirth* includes information on birth weight, gestation, and mode of delivery, as well as abnormalities of the infant and complications of pregnancy, labour, and delivery. The *Medical Certification of Death* and the *Medical Certification of Stillbirth* include information on the immediate cause of death or stillbirth, antecedent causes giving rise to the immediate cause, and other significant conditions contributing to the death or stillbirth. This information is processed by medically trained staff using the World Health Organization's International Classification of Diseases (ICD) coding scheme. In some instances the Agency's medical coding staff has determined that strict adherence to the automated ICD classification process would misstate the intention of the physician completing the *Medical Certification of Death*. In these cases the Agency deviates slightly from ICD coding for the material presented in this report. Data coded to automated ICD classification standards are maintained by the Agency for comparison to other jurisdictions or submission to Statistics Canada. Data presented in this report does not necessarily correspond to data for British Columbia published elsewhere.

Since the early 1900s, the International Classification of Diseases has been revised regularly in order to reflect advances in medical science and changes in diagnostic terminology. The ninth revision of ICD (ICD-9) was used for medical coding of birth complications and causes of death from 1979 until 1999. Coding according to the tenth revision (ICD-10) was implemented at the beginning of the year 2000. Many changes in the codes and in the rules for selection of the underlying cause of death precluded direct comparison of data in ICD-10 with data from earlier years. Translation tables were used, and extensive manual reviews and recoding of data from ICD-9 to ICD-10 was completed in order to be able to provide trend data in this annual report.

TIME PERIODS

This report pertains to events that occurred in the calendar year 2003. Selected tables present aggregate information for the five-year period, 1998-2003. These broader time periods permit more meaningful tests of statistical significance when analyzing data at sub-provincial levels, and can smooth out random fluctuations that occur when annual numbers are small. For regional health status profiles, readers are encouraged to refer to measures of statistical significance and use data presented for the five-year aggregates.

The data for 2002 and earlier years have been updated and may differ from other publications. Readers should treat this report as a replacement of previous publications and avoid comparisons with tables in earlier publications.

POPULATION DATA

Population estimates for incorporated communities, local health areas, and health regions were provided by BC STATS, Ministry of Management Services. In the mortality section of this report, a 'standard population' is used in the calculation of Age Standardized Mortality Rates (ASMR) and Potential Years Of Life Lost Standardized Rates (PYLLSR). The Agency has used the 1991 Canadian Census population as the 'standard population' in the calculation of these age-standardized measures since 1998. Please refer to Standard Population in the Glossary for a more detailed description.

SPATIAL ANALYSIS AND MAPPING

This report presents regional analyses using data dissemination areas used by the Ministries of Health (Health Authority, Health Service Delivery Area, and Local Health Area) and for incorporated communities. This continues the practice established in 2001 and provides Health Authorities a consistent time series of health status indicators for their governance regions. Vital events are allocated to these data dissemination areas by the postal codes recorded on registration documents. Marriages are assigned geographically by the postal code of the location where the marriage ceremony was performed and other vital events are assigned by the usual residence of the parents (for live births and stillbirths) or the decedent (for deaths).

The maps in this report present local health area (LHA) data ranked by quintiles and allow easy visual examination of spatial patterns. Although statistics for all LHAs are presented in the maps, emphasis should be placed on those that are statistically significant.

TERMS, METHODS, AND COMPUTATIONAL EXAMPLES

Readers are encouraged to refer to the glossary for explanations of terms and methodologies. In addition, the glossary provides examples of computations of measures and statistical tests.

FIGURE 1

LOCAL HEALTH AREA MAP

BRITISH COLUMBIA

001 Fernie
002 Cranbrook
003 Kimberley
004 Windermere
005 Creston
006 Kootenay Lake
007 Nelson
009 Castlegar
010 Arrow Lakes
011 Trail
012 Grand Forks
013 Kettle Valley
014 Southern Okanagan
015 Penticton
016 Keremeos
017 Princeton
018 Golden
019 Revelstoke
020 Salmon Arm
021 Armstrong-Spallumcheen
022 Vernon
023 Central Okanagan
024 Kamloops
025 100 Mile House
026 North Thompson
027 Cariboo-Chilcotin
028 Quesnel
029 Lillooet
030 South Cariboo
031 Merritt
032 Hope
033 Chilliwack
034 Abbotsford
035 Langley
037 Delta
038 Richmond
040 New Westminster
041 Burnaby
042 Maple Ridge
043 Coquitlam
044 North Vancouver
045 West Vancouver- Bowen Island

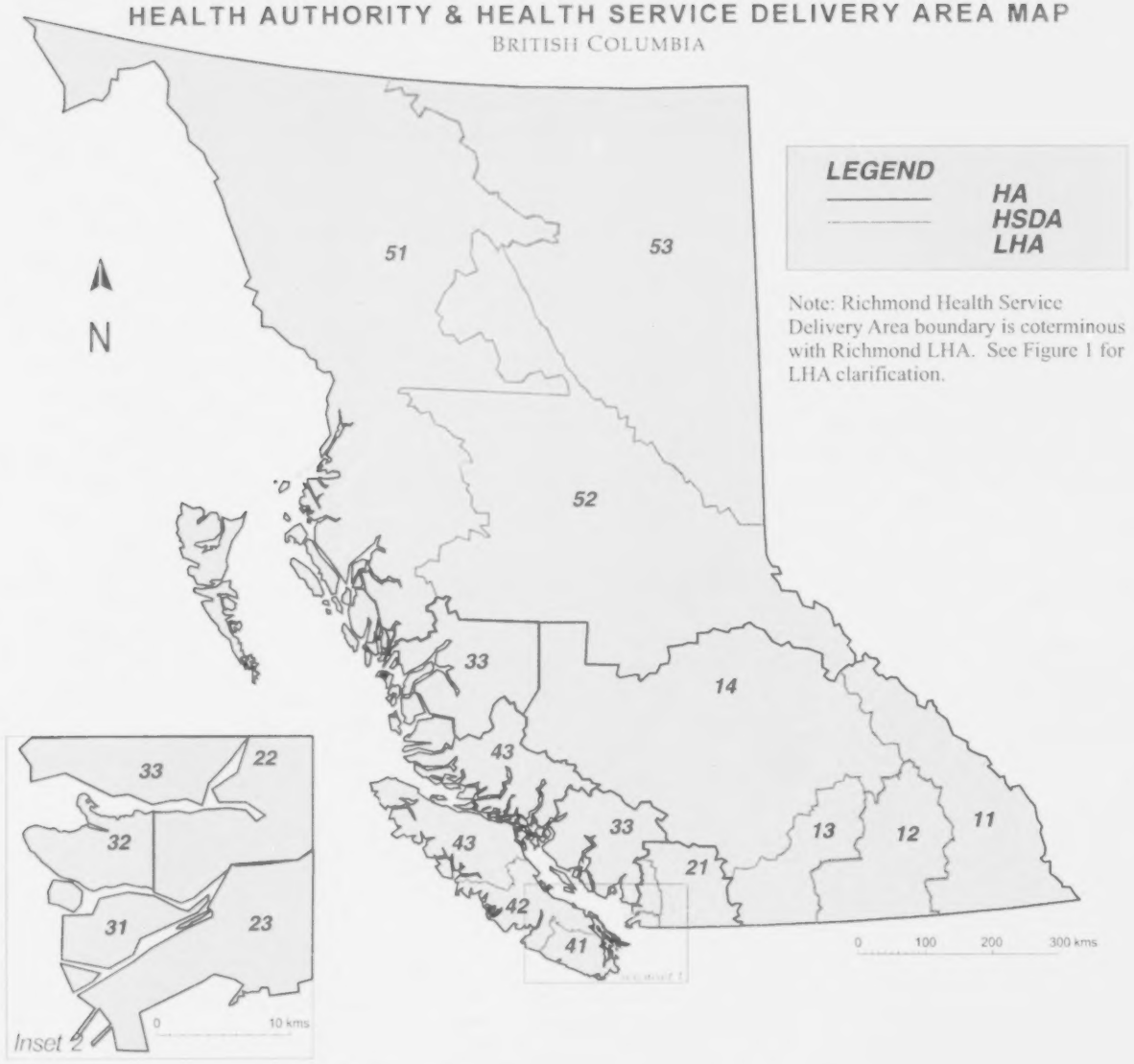
046 Sunshine Coast
047 Powell River
048 Howe Sound
049 Bella Coola Valley
050 Queen Charlotte
051 Snow Country
052 Prince Rupert
053 Upper Skeena
054 Smithers
055 Burns Lake
056 Nechako
057 Prince George
059 Peace River South
060 Peace River North
061 Greater Victoria
062 Sooke
063 Saanich
064 Gulf Islands
065 Cowichan
066 Lake Cowichan
067 Ladysmith
068 Nanaimo
069 Qualicum

070 Alberni
071 Courtenay
072 Campbell River
075 Mission
076 Agassiz-Harrison
077 Summerland
078 Enderby
080 Kitimat
081 Fort Nelson
083 Central Coast
084 Vancouver Island West
085 Vancouver Island North
087 Stikine
088 Terrace
092 Nisga a
094 Telegraph Creek
161 Vancouver City Centre
162 Vancouver Downtown East Side
163 Vancouver North East
164 Vancouver West Side
165 Vancouver Midtown
166 Vancouver South
201 Surrey
202 South Surrey/White Rock

FIGURE 2

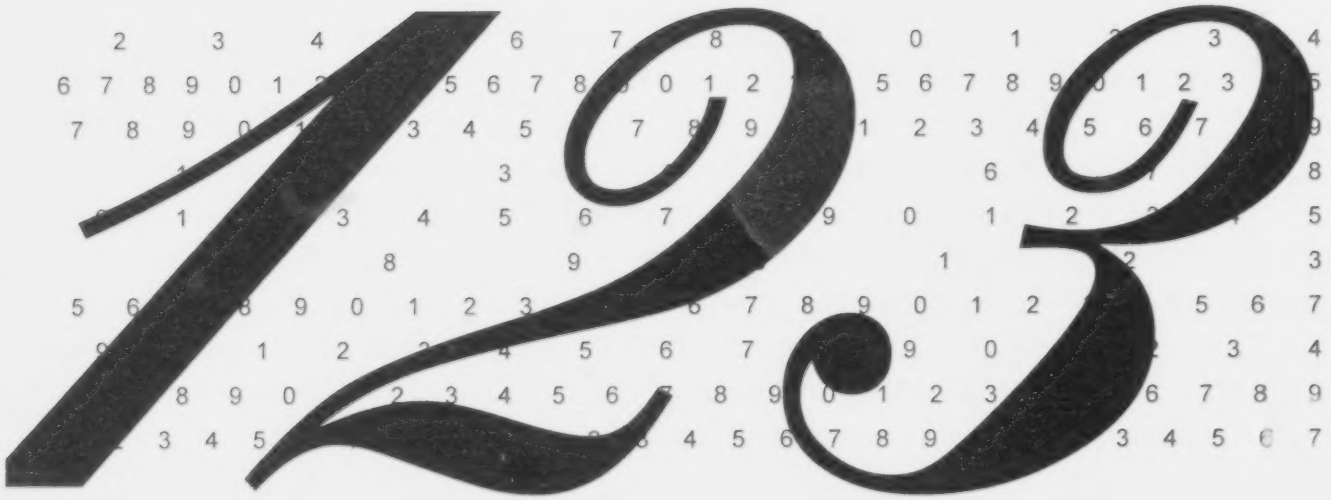
HEALTH AUTHORITY & HEALTH SERVICE DELIVERY AREA MAP

BRITISH COLUMBIA



Health Authorities		Health Service Delivery Areas	
01	Interior	11	East Kootenay
		12	Kootenay Boundary
		13	Okanagan
		14	Thompson Cariboo Shuswap
02	Fraser	21	Fraser East
		22	Fraser North
		23	Fraser South
03	Vancouver Coastal	31	Richmond
		32	Vancouver
		33	North Shore/Coast Garibaldi
04	Vancouver Island	41	South Vancouver Island
		42	Central Vancouver Island
		43	North Vancouver Island
05	Northern	51	Northwest
		52	Northern Interior
		53	Northeast
06	Provincial Health Services Authority		

Trends in Vital Events



VITAL STATISTICS INFORMATION BOX

ON A TYPICAL DAY IN BRITISH COLUMBIA IN 2003

110 LIVE BIRTHS OCCURRED IN THE PROVINCE TO B.C. RESIDENTS:

- 56 males and 54 females were born
- 4 were born to teenage mothers
- 22 were born to mothers aged 35 years old or more
- 3 were multiple births
- 31 were cesarean deliveries
- 6 were low birth weight babies
- 8 were pre-term
- 57 live births involved maternal complications
- 37 babies had perinatal complications
- 8 stillbirths every 10 days

80 DEATHS OCURRED IN THE PROVINCE TO B.C. RESIDENTS:

- 41 males and 39 females died
- 63 deaths were seniors aged 65 years old or more including
  - 38 deaths aged 80 years old or more
- 7 deaths every 10 days were children less than 15 years old including
  - 4 infant deaths every 10 days
- 27 deaths were due to diseases of the circulatory system including
  - 19 from cardiovascular disease
  - 6 from cerebrovascular disease
- 22 deaths were due to malignant neoplasms (cancer) including
  - 6 from malignant neoplasm of trachea and lung
  - 2 from malignant neoplasm of colon and rectum
  - 2 from malignant neoplasm of female breast
- 8 deaths were due to diseases of the respiratory system including
  - 3 from pneumonia and influenza
  - 3 from chronic pulmonary disease
- 3 deaths every 10 days were due to HIV disease
- 4 deaths were from external causes including
  - 1 suicide
  - 1 motor vehicle accident
  - 1 accidental fall
- 5 deaths were alcohol-related:
  - 1 directly due to alcohol
  - 4 indirectly due to alcohol
- 1 death was drug-induced
- 16 deaths were attributed to smoking

60 MARRIAGES WERE SOLEMNIZED IN B.C.:

- 35 were civil ceremonies and 25 were performed by religious representatives
- 37 marriages were to couples where both parties were marrying for the first time
- 2 marriages every 10 days were to couples where both parties were teenagers

2003 in Context

Historical information on the vital statistics of the British Columbia population is presented in this section. This allows readers to examine the changes in annual live birth, stillbirth, death, and marriage rates and to put current year statistics in the larger context. In addition the section highlights certain features of this report that are of special interest.

Since 1950, as the population of British Columbia tripled, demographic and social changes had substantial impacts on vital events. Provincial rates for live births, stillbirths, and marriages in 2003 have fallen to about half the rates seen in 1950, while mortality rates declined by nearly a third. The most striking change was a dramatic decline in infant mortality.

- In 2003, there were 40,285 live births in the province to B.C. residents. The number of live births increased by 385 births from 39,900 in 2002. The 2003 birth rate was 9.72 live births per 1,000 population, almost the same as the 2002 rate of 9.70. Live birth rates in 2002 and 2003 were the lowest to date.
- There were 29,108 deaths of British Columbia residents in the province in 2003, up 401 from the previous year (28,707). The crude death rate was 7.02 deaths per 1,000 population in 2003 and 6.98 in 2002.
- A total of 21,975 marriages were solemnized in the province in 2003, an increase from 21,261 marriages in 2002. The marriage rate increased in 2003 to 5.30 per 1,000 population, up from 5.17 in 2002. The number of marriages decreased each year from 1994 to 1999; marriage rates showed a downward trend from 1988 to 1999.
- There were 289 stillbirths to B.C. residents in 2003, a decrease from 299 in 2002. The stillbirth rate was 7.12 per 1,000 total births (live births and stillbirths) in 2003. Stillbirth rates have fluctuated between 6.31 and 7.49 in the last decade.
- In 2003, the 40,285 live births and 29,108 deaths in the province produced a rate of natural population growth of 2.7 per 1,000 population, unchanged from 2002. The 2002 and 2003 rates of natural population growth for B.C. were the first below 3.0 per 1,000 population and the lowest since 1950.
- The Total Fertility Rate for B.C. was 1,388 births per 1,000 women of child bearing age (15 to 44 years of age), up slightly from 1,369 in 2002.
- In 2003, there were 163 infant deaths (age at death less than one year) in the province, for an infant mortality rate of 4.05 per 1,000 live births. This is a decrease from 178 infant deaths and an infant mortality rate of 4.46 per 1,000 live births in 2002. The smallest numbers and lowest rates of infant mortality occurred in 1999 to 2000.
- The average age of people getting married has climbed steadily since 1977. The average age of males who got married in B.C. in 2003 was 35.6 years old, females averaged 32.9 years old.

TABLE 1
LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS
BRITISH COLUMBIA, 1950–2003

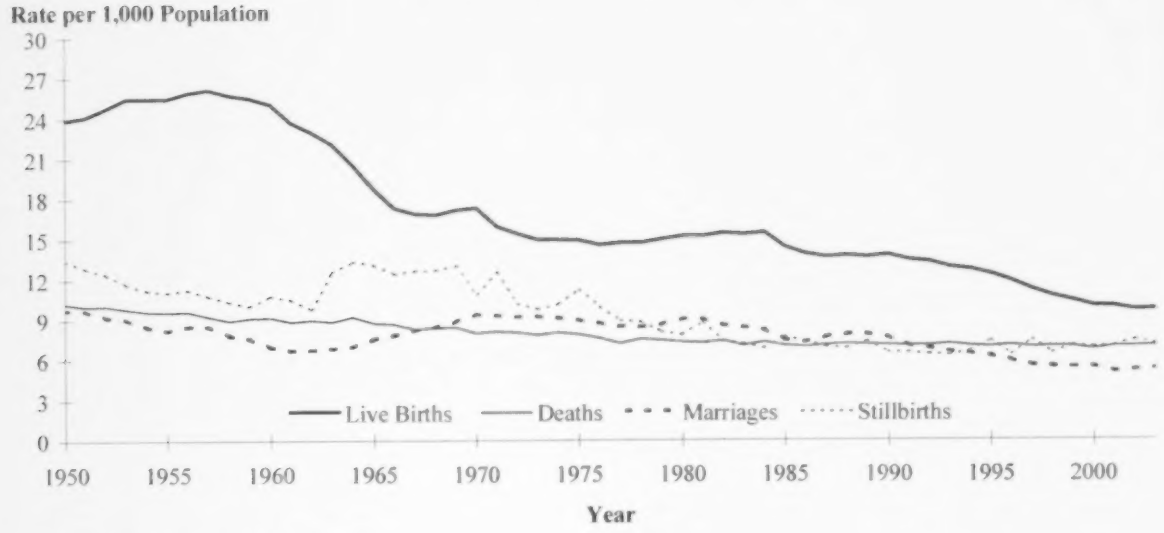
Year	Mid-year Population	Live Births		Deaths		Marriages		Stillbirths	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
1950	1,137,000	27,116	23.85	11,581	10.19	11,110	9.77	369	13.43
1951	1,165,210	28,077	24.10	11,638	9.99	11,272	9.67	365	12.83
1952	1,205,000	29,827	24.75	12,080	10.02	11,081	9.20	375	12.42
1953	1,248,000	31,746	25.44	12,218	9.79	11,298	9.05	375	11.67
1954	1,295,000	32,946	25.44	12,414	9.59	10,991	8.49	373	11.19
1955	1,342,000	34,138	25.44	12,816	9.55	11,011	8.20	381	11.04
1956	1,398,464	36,241	25.91	13,415	9.59	11,950	8.55	413	11.27
1957	1,482,000	38,744	26.14	13,711	9.25	12,620	8.52	422	10.77
1958	1,538,000	39,577	25.73	13,741	8.93	12,094	7.86	414	10.35
1959	1,567,000	39,971	25.51	14,336	9.15	11,910	7.60	404	10.01
1960	1,602,000	40,116	25.04	14,696	9.17	11,203	6.99	437	10.78
1961	1,629,100	38,591	23.69	14,403	8.84	10,935	6.71	410	10.51
1962	1,660,000	38,128	22.97	14,912	8.98	11,196	6.74	377	9.79
1963	1,699,000	37,478	22.06	15,029	8.85	11,677	6.87	476	12.54
1964	1,745,000	35,897	20.57	16,051	9.20	12,158	6.97	485	13.33
1965	1,797,000	33,669	18.74	15,784	8.78	13,639	7.59	447	13.10
1966	1,873,674	32,502	17.35	16,290	8.69	14,682	7.84	409	12.43
1967	1,945,000	32,899	16.91	16,170	8.31	16,026	8.24	422	12.66
1968	2,003,000	33,687	16.82	16,828	8.40	16,914	8.44	433	12.69
1969	2,060,000	35,383	17.18	17,377	8.44	18,284	8.88	468	13.05
1970	2,128,000	36,861	17.32	17,020	8.00	20,020	9.41	407	10.92
1971	2,184,620	34,852	15.95	17,783	8.14	20,389	9.33	442	12.52
1972	2,241,400	34,563	15.42	18,021	8.04	20,659	9.22	356	10.20
1973	2,302,400	34,352	14.92	18,095	7.86	21,303	9.25	339	9.77
1974	2,375,700	35,450	14.92	19,177	8.07	21,734	9.15	364	10.16
1975	2,433,200	36,281	14.91	19,151	7.87	21,824	8.97	414	11.28
1976	2,466,610	35,848	14.53	18,788	7.62	21,536	8.73	361	9.97
1977	2,493,800	36,691	14.71	18,021	7.23	21,156	8.48	330	8.91
1978	2,530,100	37,231	14.72	19,057	7.53	21,388	8.45	331	8.81
1979	2,571,200	38,432	14.95	19,204	7.47	22,087	8.59	313	8.08
1980	2,640,100	40,104	15.19	19,371	7.34	23,830	9.03	316	7.82
1981	2,744,470	41,679	15.19	19,857	7.24	24,694	9.00	371	8.82
1982	2,787,700	42,942	15.40	20,704	7.43	23,831	8.55	317	7.33
1983	2,813,800	43,047	15.30	19,895	7.07	23,692	8.42	310	7.15
1984	2,847,700	44,040	15.47	20,781	7.30	23,394	8.22	303	6.83
1985	2,990,000	42,989	14.38	21,131	7.07	22,270	7.45	333	7.69
1986	3,004,074	41,711	13.88	21,007	6.99	21,843	7.27	308	7.33
1987	3,050,141	41,610	13.64	21,615	7.09	23,417	7.68	291	6.94
1988	3,115,665	42,854	13.75	22,357	7.18	24,514	7.87	295	6.84
1989	3,198,547	43,591	13.63	22,781	7.12	25,177	7.87	324	7.38
1990	3,291,379	45,344	13.78	23,414	7.11	25,226	7.66	298	6.53
1991	3,373,399	45,344	13.44	23,816	7.06	23,665	7.02	298	6.53
1992	3,470,307	46,038	13.27	24,454	7.05	23,762	6.85	297	6.41
1993	3,571,525	45,956	12.87	25,602	7.17	23,478	6.57	292	6.31
1994	3,681,750	46,830	12.72	25,829	7.02	23,772	6.46	311	6.60
1995	3,784,008	46,697	12.34	26,224	6.93	23,632	6.25	350	7.44
1996	3,882,043	45,956	11.84	27,389	7.06	22,882	5.89	292	6.31
1997	3,959,698	44,397	11.21	27,258	6.88	21,883	5.53	335	7.49
1998	3,997,113	42,866	10.72	27,805	6.96	21,778	5.45	278	6.44
1999	4,028,280	41,747	10.36	27,862	6.92	21,628	5.37	294	6.99
2000	4,060,133	40,492	9.97	27,311	6.73	22,099	5.44	281	6.89
2001	4,078,447	40,392	9.90	28,231	6.92	20,571	5.04	283	6.96
2002	4,114,981	39,900	9.70	28,707	6.98	21,261	5.17	299	7.44
2003	4,146,580	40,285	9.72	29,108	7.02	21,975	5.30	289	7.12

Note: Rates shown for live brths, deaths and marriages are crude rates per 1,000 population. Stillbirth rate is per 1,000 total births (live births plus stillbirths). The definition of a stillbirth was revised in 1963 and 1986 (see Glossary). Population information from BC STATS, Ministry of Management Services. Above information includes late registrations and amendments. Gender unknown included. Non-residents are excluded from all data except marriages.

FIGURE 3

CRUDE RATES OF LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS

BRITISH COLUMBIA, 1950–2003



Note: Stillbirth rate per 1,000 total births

HIGHLIGHTS TO TABLE 1/FIGURE 3

Since 1950, as the population of British Columbia tripled, demographic and social changes had substantial impacts on vital events. Provincial rates for live births, stillbirths, and marriages in 2003 have fallen to about half the rates seen in 1950, while mortality rates declined by nearly a third. The most striking change was a dramatic decline in infant mortality.

- In 2003, there were 40,285 live births in the province to B.C. residents. The number of live births increased by 385 births from 39,900 in 2002. The 2003 birth rate was 9.72 live births per 1,000 population, almost the same as the 2002 rate of 9.70. Live birth rates in 2002 and 2003 were the lowest to date.
- There were 29,108 deaths of British Columbia residents in the province in 2003, up 401 from the previous year (28,707). The crude death rate was 7.02 deaths per 1,000 population in 2003 and 6.98 in 2002.
- A total of 21,975 marriages were solemnized in the province in 2003, an increase from 21,261 marriages in 2002. The marriage rate increased in 2003 to 5.30 per 1,000 population, up from 5.17 in 2002. The number of marriages decreased each year from 1994 to 1999; marriage rates showed a downward trend from 1988 to 1999. Marriage statistics in this report include all marriages that took place in the province, including those where one or both parties were non-B.C. residents.
- There were 289 stillbirths to B.C. residents in 2003, a decrease from 299 in 2002. The stillbirth rate was 7.12 per 1,000 total births (live births and stillbirths) in 2003. Stillbirth rates have fluctuated between 6.31 and 7.49 in the last decade.

TABLE 2
NATURAL POPULATION INCREASES
BRITISH COLUMBIA AND CANADA, 1950–2003

Year	Rate B.C.	Rate Canada	Year	Rate B.C.	Rate Canada
1950	13.7	18.0	1977	7.5	8.4
1951	14.1	18.2	1978	7.2	8.1
1952	14.7	19.2	1979	7.5	8.4
1953	15.6	19.5	1980	7.9	8.3
1954	15.9	20.3	1981	8.0	8.0
1955	15.9	20.0	1982	8.0	7.9
1956	16.3	19.8	1983	8.2	7.8
1957	16.9	20.0	1984	8.2	7.8
1958	16.8	19.6	1985	7.3	7.5
1959	16.4	19.4	1986	6.9	7.2
1960	15.9	19.0	1987	6.6	7.0
1961	14.8	18.4	1988	6.6	7.0
1962	14.0	17.6	1989	6.5	7.4
1963	13.2	16.8	1990	6.7	7.7
1964	11.4	15.9	1991	6.4	7.4
1965	10.0	13.7	1992	6.2	7.1
1966	8.7	11.9	1993	5.7	6.4
1967	8.6	10.8	1994	5.7	6.1
1968	8.4	10.2	1995	5.4	5.7
1969	8.7	10.3	1996	4.8	5.2
1970	9.3	10.1	1997	4.3	4.4
1971	7.8	9.5	1998	3.8	4.1
1972	7.4	8.5	1999	3.5	3.8
1973	7.1	8.1	2000	3.2	3.7
1974	6.8	8.0	2001	3.0	3.6
1975	7.0	8.5	2002	2.7	*
1976	6.9	8.4	2003	2.7	*

Note: Rates shown are rates of natural population increase per 1,000 population. Canadian rates from Statistics Canada. *Rates for Canada were not available. Non-residents are excluded.

FIGURE 4
NATURAL POPULATION INCREASES
BRITISH COLUMBIA AND CANADA, 1950–2003

Note: Rates for Canada for 2002 and 2003 were not available.

HIGHLIGHTS TO TABLE 2/FIGURE 4

The rate of natural population growth is the birth rate minus the death rate.

- In 2003, the 40,285 live births and 29,108 deaths in the province produced a rate of natural population growth of 2.7 per 1,000 population, unchanged from 2002.
- The pattern of natural population growth rates follows the trends seen in the live birth rates. After high rates in the 1950s, natural population growth rates decreased rapidly in the 1960s as birth and death rates both declined. Since the mid 1980s, the small but steady decline in the natural population growth rate resulted from declining birth rates and relatively stable death rates. The 2002 and 2003 rates of natural population growth for B.C. were the first below 3.0 per 1,000 population and the lowest since 1950.
- Except for four years from 1981 to 1984, the B.C. rate of natural population growth has been consistently below the Canadian rate each year.

TABLE 3
TOTAL FERTILITY RATES
BRITISH COLUMBIA, 1950–2003

Year	Total Fertility Rate	Live Births	Year	Total Fertility Rate	Live Births
1950	3,074	27,116	1977	1,636	36,691
1951	3,201	28,077	1978	1,620	37,231
1952	3,327	29,827	1979	1,721	38,432
1953	3,542	31,746	1980	1,716	40,104
1954	3,656	32,946	1981	1,718	41,679
1955	3,748	34,138	1982	1,749	42,942
1956	3,875	36,241	1983	1,751	43,047
1957	3,921	38,744	1984	1,781	44,040
1958	3,900	39,577	1985	1,642	42,989
1959	3,958	39,971	1986	1,608	41,711
1960	3,949	40,116	1987	1,608	41,610
1961	3,785	38,591	1988	1,646	42,854
1962	3,709	38,128	1989	1,651	43,591
1963	3,564	37,478	1990	1,688	45,344
1964	3,284	35,897	1991	1,673	45,344
1965	2,710	33,669	1992	1,669	46,038
1966	2,442	32,502	1993	1,636	45,956
1967	2,307	32,899	1994	1,637	46,830
1968	2,228	33,687	1995	1,603	46,697
1969	2,223	35,383	1996	1,540	45,956
1970	2,185	36,861	1997	1,473	44,397
1971	1,994	34,852	1998	1,437	42,866
1972	1,890	34,563	1999	1,408	41,747
1973	1,751	34,352	2000	1,374	40,492
1974	1,735	35,450	2001	1,385	40,392
1975	1,682	36,281	2002	1,369	39,900
1976	1,618	35,848	2003	1,388	40,285

Note: Total Fertility Rate – Sum of age-specific fertility rates multiplied by the number of years in each age group (see Glossary for definition). Rates per 1,000 women age 15 to 44. Non-residents are excluded.

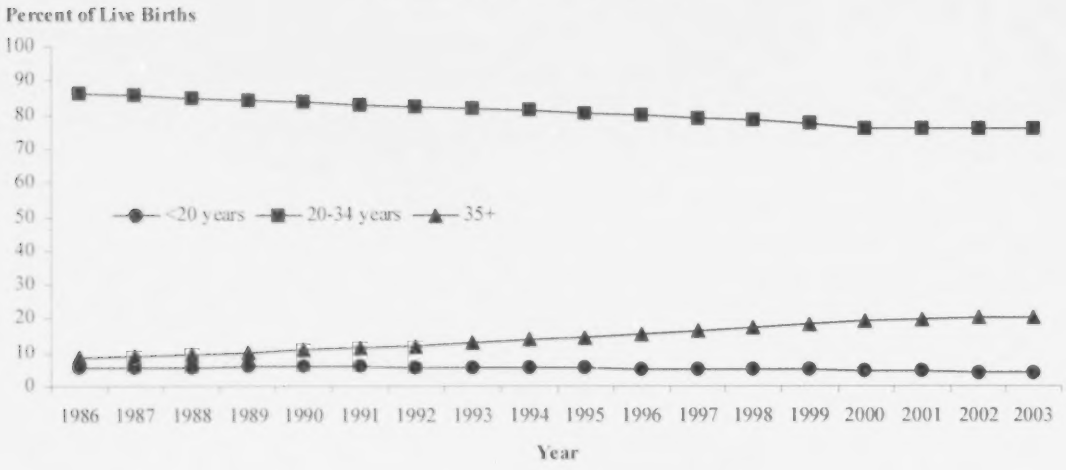
FIGURE 5
TOTAL FERTILITY RATES AND NUMBER OF LIVE BIRTHS
BRITISH COLUMBIA, 1986–2003

HIGHLIGHTS TO TABLE 3/FIGURE 5

The total fertility rate (TFR) is the number of births 1,000 women can expect over their childbearing years, based on current age specific fertility.

- The Total Fertility Rate for B.C. was 1,388 births per 1,000 women of child bearing age (15 to 44 years of age), up slightly from 1,369 in 2002.
- The average woman in 2003 would have 1.4 live births in her lifetime, based on the TFR.
- The total fertility rate is on a long term downward trend (statistically significant at the 95% level).

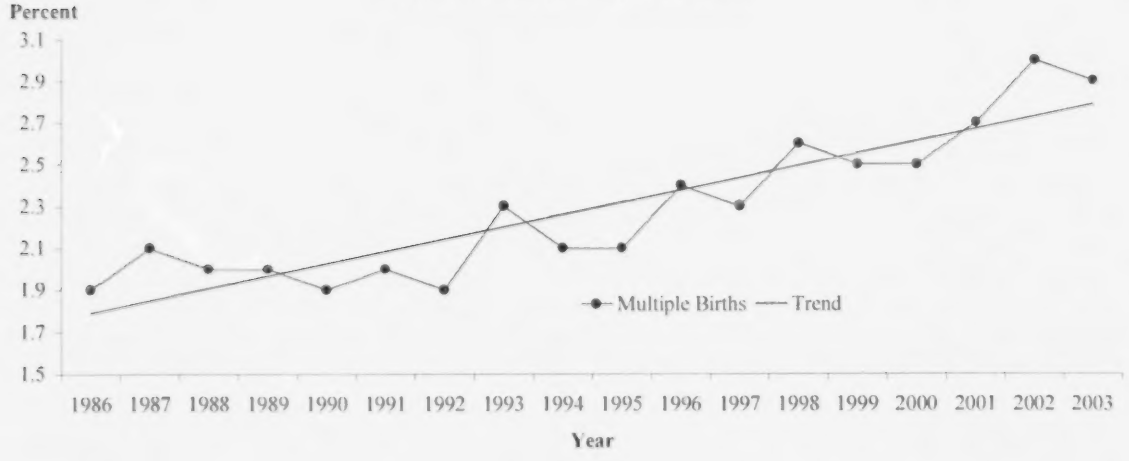
FIGURE 6
LIVE BIRTHS BY AGE OF MOTHER
BRITISH COLUMBIA, 1986–2003



HIGHLIGHTS TO FIGURE 6

- Mothers in B.C. are getting older. Mothers over the age of 35 (elderly gravida) comprised 20.3% of all mothers in 2003, the highest percentage ever for this group. In contrast teen mothers made up 3.7 per cent of all mothers, the lowest percentage ever for this group.
- The long term trend is for a higher percentage of elderly gravida and a lower percentage for teen mothers. Both trends are statistically significant at the 95% level.

FIGURE 7
MULTIPLE BIRTHS AS A PERCENTAGE OF LIVE BIRTHS
BRITISH COLUMBIA, 1986–2003



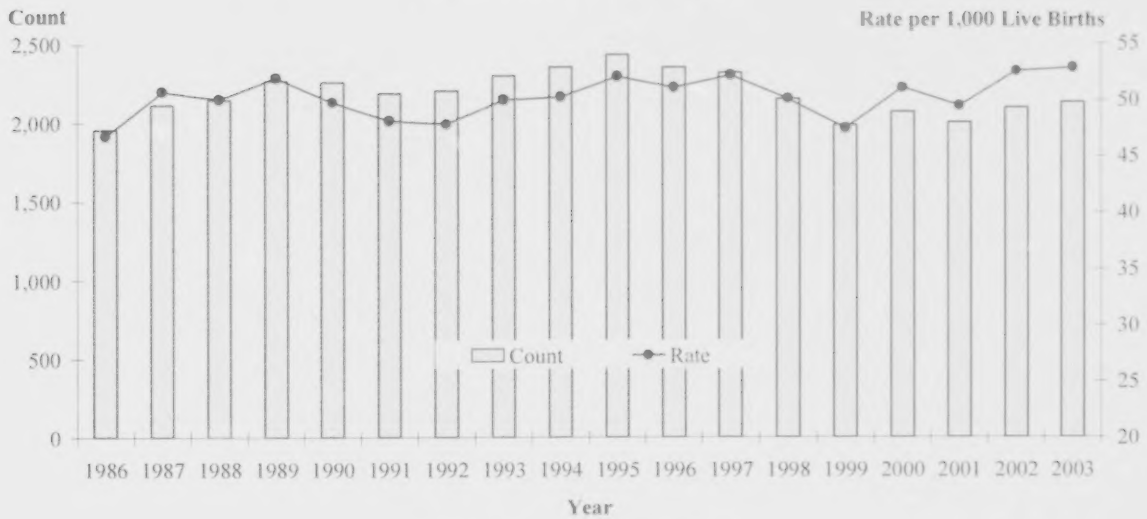
HIGHLIGHTS TO FIGURE 7

- Multiple births as a percentage of total live births have increased from 1.9% in 1986 to 2.9% in 2003. The upward trend is statistically significant at the 95% level.

FIGURE 8

LOW BIRTH WEIGHT LIVE BIRTHS

BRITISH COLUMBIA, 1986–2003



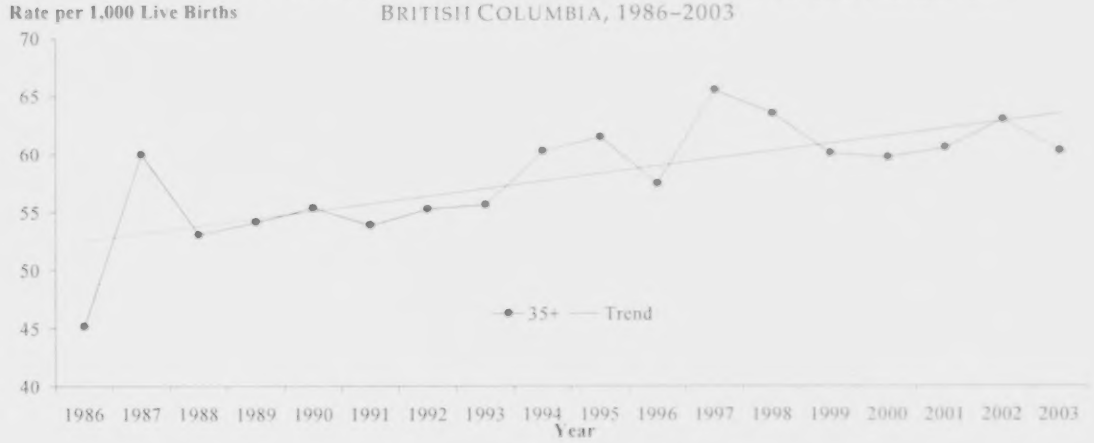
HIGHLIGHTS TO FIGURE 8

- There were 2,129 babies born weighing less than 2,500 grams in 2003 compared to 2,096 in 2002. The rate increased to 52.85 per 1,000 live births in 2003 from 52.53 per 1,000 live births in 2002.
- There is no statistically significant trend in the rate of low birth weight babies over the period 1986-2003.

FIGURE 9

LOW BIRTH WEIGHT LIVE BIRTHS FOR MOTHERS AGED 35+

BRITISH COLUMBIA, 1986–2003



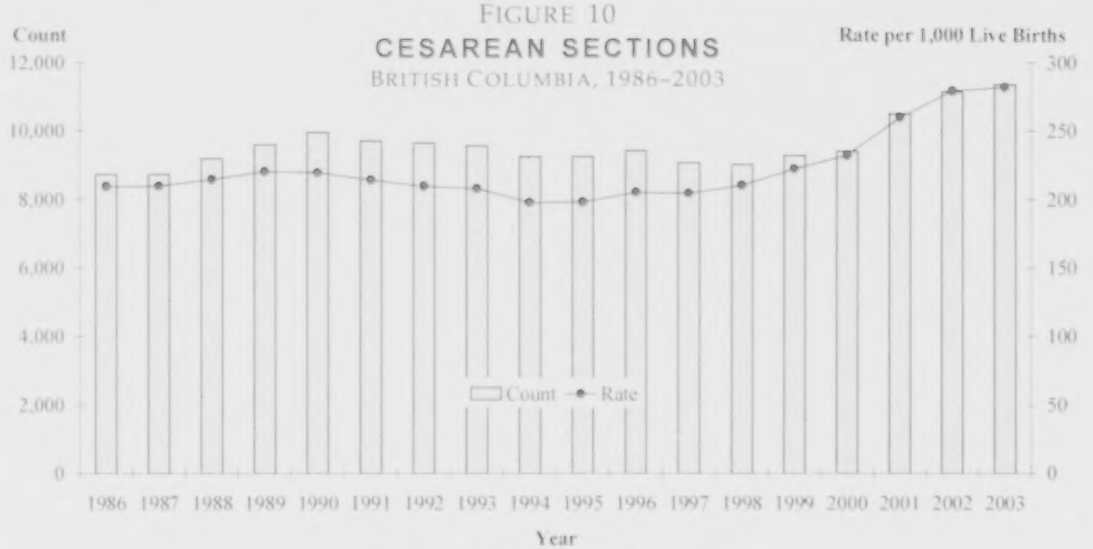
HIGHLIGHTS TO FIGURE 9

- In 2003 there were 60.23 low birth weight babies born for every 1,000 live births by an older mother, down slightly from 62.96 in 2002.
- There is an upward trend in the percentage of low birth weight babies born to older mothers (statistically significant at the 95% level).

FIGURE 10

CESAREAN SECTIONS

BRITISH COLUMBIA, 1986–2003



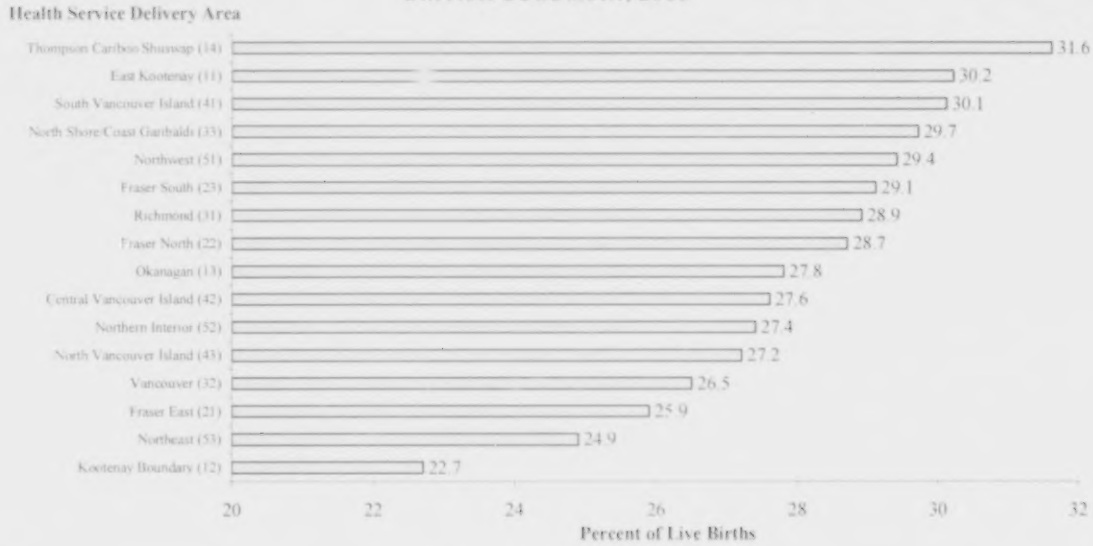
HIGHLIGHTS TO FIGURE 10

- There were 11,367 live births delivered by cesarean section in 2003, up from 11,143 in 2002. The rate of c-sections increased from 279.27 per 1,000 live births in 2002 to 282.16 per 1,000 live births to 2003.
- The upward trend in the rate of c-sections since 1986 is statistically significant (at the 95% level).

FIGURE 11

CESAREAN SECTIONS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2003



HIGHLIGHTS TO FIGURE 11

- The rate of c-section deliveries varies considerably across the province, ranging from a low of 22.7 per cent of live births in B.C. for mothers whose usual residence is HSDA 12 East Kootenay to a high of 31.6 per cent of live births for mothers whose usual residence is in 14 Thompson Cariboo Shuswap. B.C. residents, especially those living in East Kootenay and Northeast, may give birth in Alberta hospitals, resulting in an undercount of live births and c-section rates for these HSDAs.

FIGURE 12

CESAREAN SECTIONS BY AGE OF MOTHER

BRITISH COLUMBIA, 1986–2003

HIGHLIGHTS TO FIGURE 12

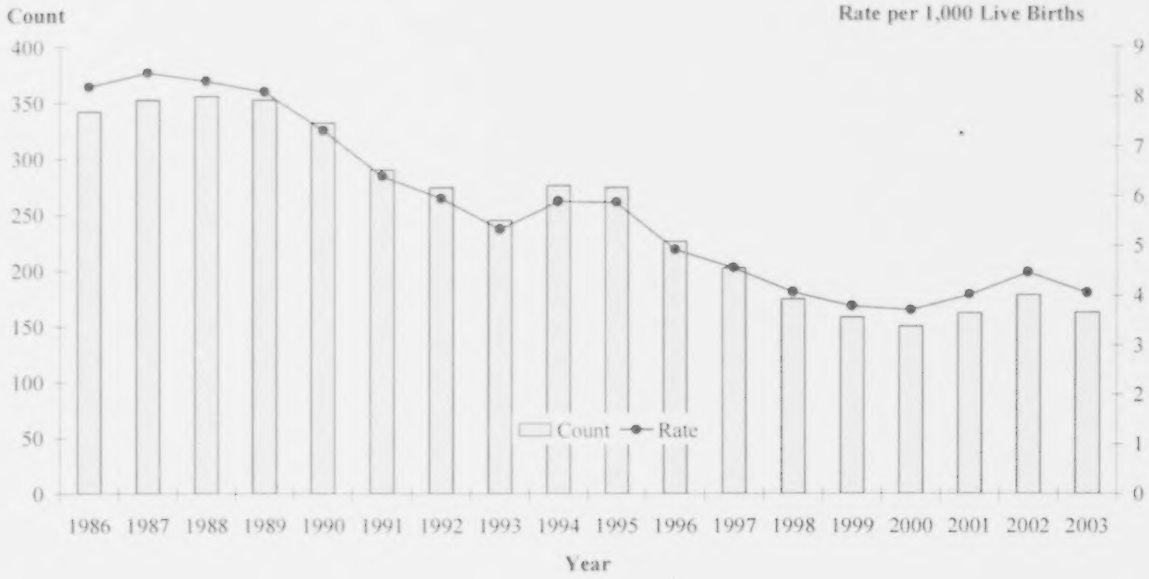
- Province wide, the rate of c-section births is much higher for mothers aged 35 or older (362.86 per 1,000 live births in 2003) than for other age groups (184.89 per 1,000 and 265.15 per 1,000 live births for the <20 and 20-34 mothers respectively). The rate for teen mothers is the lowest of the three categories considered.
- The upward trend is statistically significant (at the 95% level) for mothers aged 20-34 and mothers aged 35 or older only. All ages show some evidence that c-section rates are accelerating in recent years.

TABLE 4
INFANT MORTALITY
BRITISH COLUMBIA AND CANADA, 1965–2003

	British Columbia Age at Death (in Days)									Canada
	0–6 Days		0–27 Days		28–364 Days			Total		
Year	Number	Rate	Number	Rate	Number	Rate	N.S.	Number	Rate	Rate
1965	415	12.33	453	13.45	227	6.74	3	683	20.29	24.0
1966	435	13.38	494	15.20	263	8.09	4	761	23.41	23.1
1967	429	13.04	470	14.29	218	6.63	1	689	20.94	22.0
1968	375	11.13	438	13.00	214	6.35	4	656	19.47	21.0
1969	329	9.30	374	10.57	199	5.62	-	573	16.19	19.0
1970	369	10.01	416	11.29	193	5.24	2	611	16.58	19.0
1971	409	11.74	450	12.91	185	5.31	-	635	18.22	17.5
1972	322	9.32	373	10.79	195	5.64	1	569	16.46	17.0
1973	317	9.23	363	10.57	185	5.39	3	551	16.04	16.0
1974	310	8.74	348	9.82	196	5.53	2	546	15.40	15.0
1975	278	7.66	321	8.85	169	4.66	1	491	13.53	14.3
1976	292	8.15	324	9.04	152	4.24	2	478	13.33	13.5
1977	246	6.70	276	7.52	200	5.45	-	476	12.97	12.4
1978	245	6.58	286	7.68	178	4.78	-	464	12.46	12.0
1979	196	5.10	239	6.22	167	4.35	-	406	10.56	10.9
1980	188	4.69	235	5.86	186	4.64	-	421	10.50	10.4
1981	232	5.57	259	6.21	140	3.36	3	402	9.65	9.6
1982	217	5.05	251	5.85	150	3.49	-	401	9.34	9.1
1983	193	4.48	212	4.92	145	3.37	2	359	8.34	8.5
1984	184	4.18	205	4.65	150	3.41	1	356	8.08	8.1
1985	180	4.19	198	4.61	133	3.09	-	331	7.70	8.0
1986	164	3.93	195	4.68	147	3.52	-	342	8.20	7.9
1987	157	3.77	193	4.64	160	3.85	-	353	8.48	7.3
1988	191	4.46	220	5.13	136	3.17	-	356	8.31	7.2
1989	186	4.27	215	4.93	138	3.17	-	353	8.10	7.3
1990	182	4.01	220	4.85	112	2.47	-	332	7.32	6.8
1991	140	3.09	164	3.62	126	2.78	-	290	6.40	6.4
1992	150	3.26	170	3.69	104	2.26	-	274	5.95	6.1
1993	117	2.55	135	2.94	110	2.39	-	245	5.33	6.3
1994	163	3.48	186	3.97	90	1.92	-	276	5.89	6.3
1995	157	3.36	180	3.85	94	2.01	-	274	5.87	6.1
1996	131	2.85	158	3.44	68	1.48	-	226	4.92	5.6
1997	125	2.82	146	3.29	56	1.26	-	202	4.55	5.5
1998	94	2.19	114	2.66	60	1.40	-	174	4.06	5.3
1999	86	2.06	107	2.56	51	1.22	-	158	3.78	5.3
2000	84	2.07	105	2.59	45	1.11	-	150	3.70	5.3
2001	103	2.55	126	3.12	36	0.89	-	162	4.01	5.2
2002	97	2.43	124	3.11	54	1.35	-	178	4.46	*
2003	102	2.53	118	2.93	45	1.12	-	163	4.05	*

Note: Rates per 1,000 live births in the specified year.
N.S. – Not stated.
Above information includes late registrations and amendments.
Canadian rates from Statistics Canada.
*Rates were not available.
Non-residents are excluded.

FIGURE 13
INFANT MORTALITY
BRITISH COLUMBIA, 1986–2003



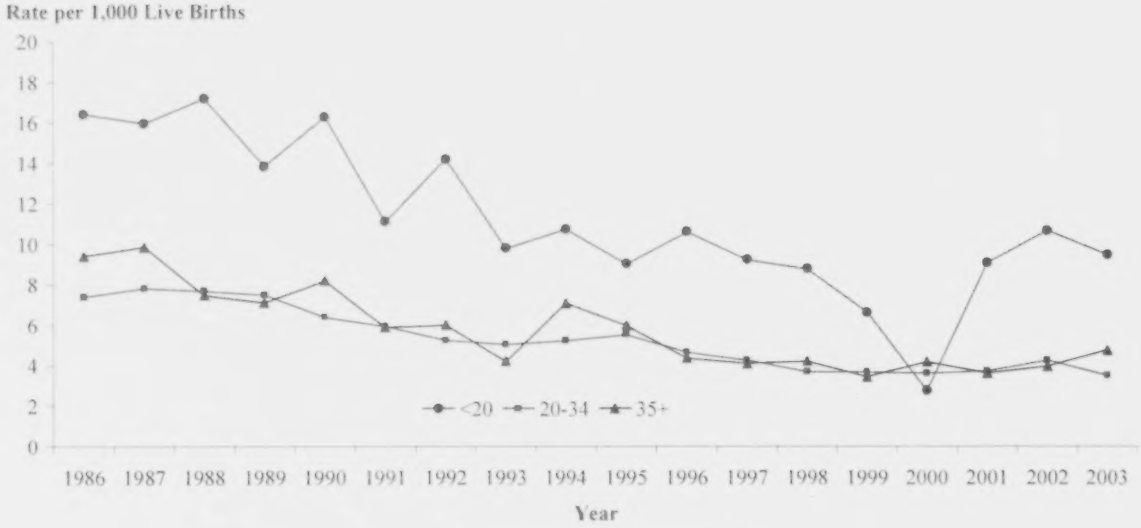
HIGHLIGHTS TO TABLE 4/FIGURE 13

- In 2003, there were 163 infant deaths (age at death less than one year) in the province, for an infant mortality rate of 4.05 per 1,000 live births. This is a decrease from 178 infant deaths and an infant mortality rate of 4.46 per 1,000 live births in 2002. The smallest numbers and lowest rates of infant mortality occurred in 1999 to 2000.
- The B.C. infant mortality rate has been less than five per 1,000 live births since 1996.
- The rate of infant deaths in the province has been on a downward trend (statistically significant at the 95% level).
- Infant mortality rates in B.C. have fallen dramatically to one fifth of the rates seen in 1965. Decreases in early neonatal mortality (age at death less than seven days) and neonatal mortality (age at death less than 28 days) have been major contributors to the overall decline in infant mortality rates over this time period. In Canada infant mortality rates have also fallen to approximately one fifth of the rates seen in 1965.
- Since 1992, the B.C. infant mortality rate has been consistently below the Canadian rate.

FIGURE 14

INFANT MORTALITY BY AGE OF MOTHER

BRITISH COLUMBIA, 1986–2003



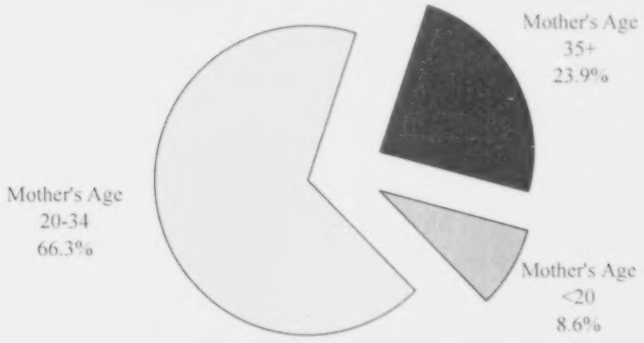
HIGHLIGHTS TO FIGURE 14

- Teen mothers had the highest rate of infant deaths in 2003 and every year since 1986 except for 2000.
- All three age groups (<20, 20-34 and 35+) are experiencing a downward trend in infant deaths (statistically significant at the 95% level).

FIGURE 15

PERCENTAGE OF INFANT MORTALITY BY AGE OF MOTHER

BRITISH COLUMBIA, 2003



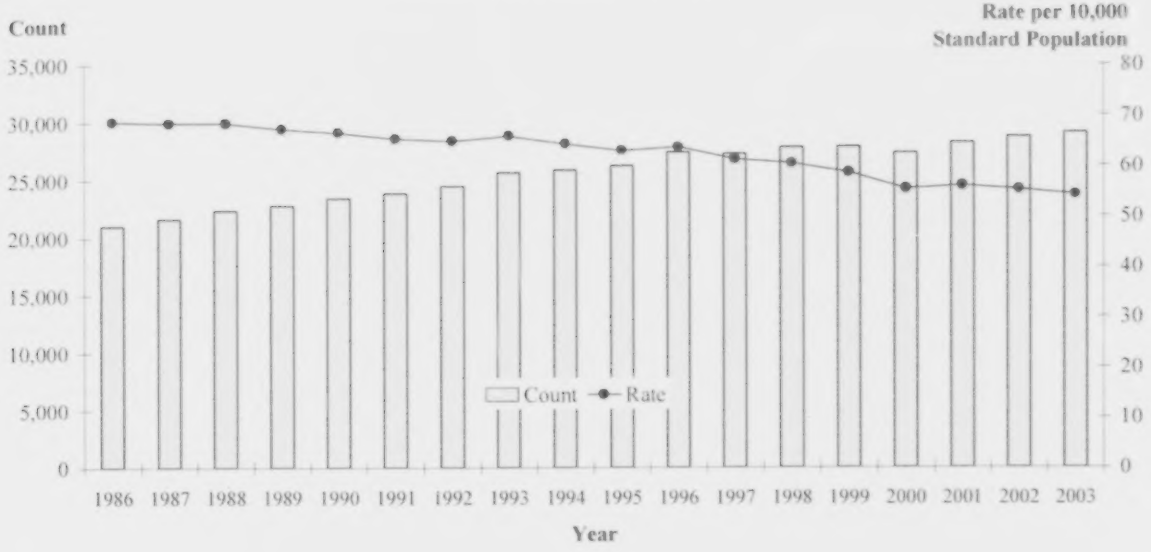
HIGHLIGHTS TO FIGURE 15

- Despite the relatively low rate of infant deaths among mothers aged 20-34, this group experienced two thirds (66.3%) of the infant deaths in 2003 because they have by far the largest number of births.
- Despite having the highest rate of infant death, teen mothers experienced only 8.6% of the infant deaths in the province because of the low number of teen mothers.

FIGURE 16

DEATHS AND DEATH RATES, ALL CAUSES OF DEATH

BRITISH COLUMBIA, 1986–2003



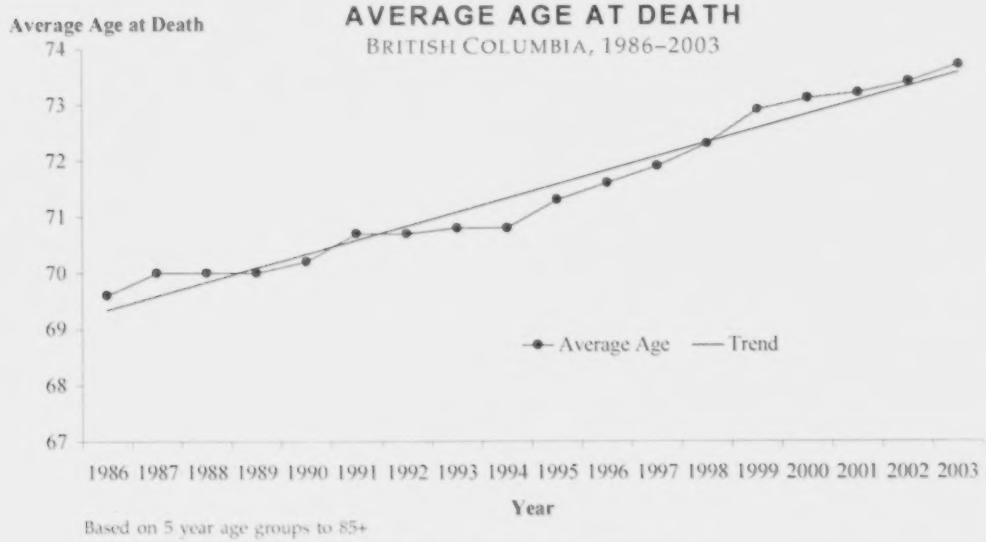
HIGHLIGHTS TO FIGURE 16

- There were 29,108 deaths of British Columbia residents in the province in 2003, up from 28,707 in 2002. Despite the increase in the number of deaths, an aging population allowed the Age Standardized Mortality Rate (ASMR) for all deaths to fall from 55.22 per 10,000 standard population in 2002 to 54.21 in 2003.
- The provincial ASMR has been on a downward trend (statistically significant at the 95% level) since 1986 and is currently at an historic low.

FIGURE 17

AVERAGE AGE AT DEATH

BRITISH COLUMBIA, 1986–2003



Based on 5 year age groups to 85+

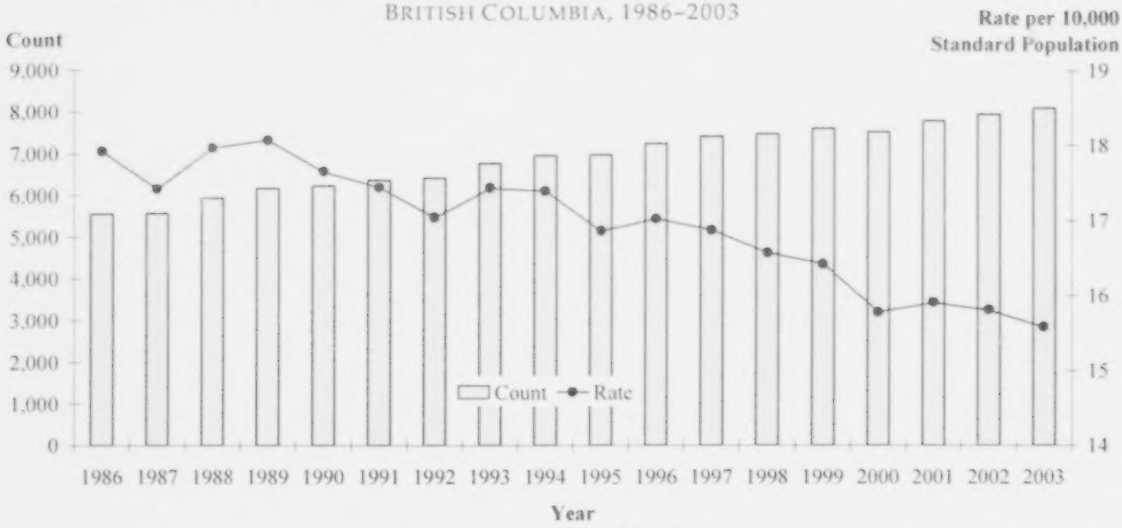
HIGHLIGHTS TO FIGURE 17

- The trend in average age at death (not life-expectancy) has seen the average age increase from 69.6 years in 1986 to 73.7 years in 2003 (statistically significant at the 95% level).

FIGURE 18

DEATHS AND DEATH RATES, MALIGNANT NEOPLASMS (CANCER)

BRITISH COLUMBIA, 1986–2003



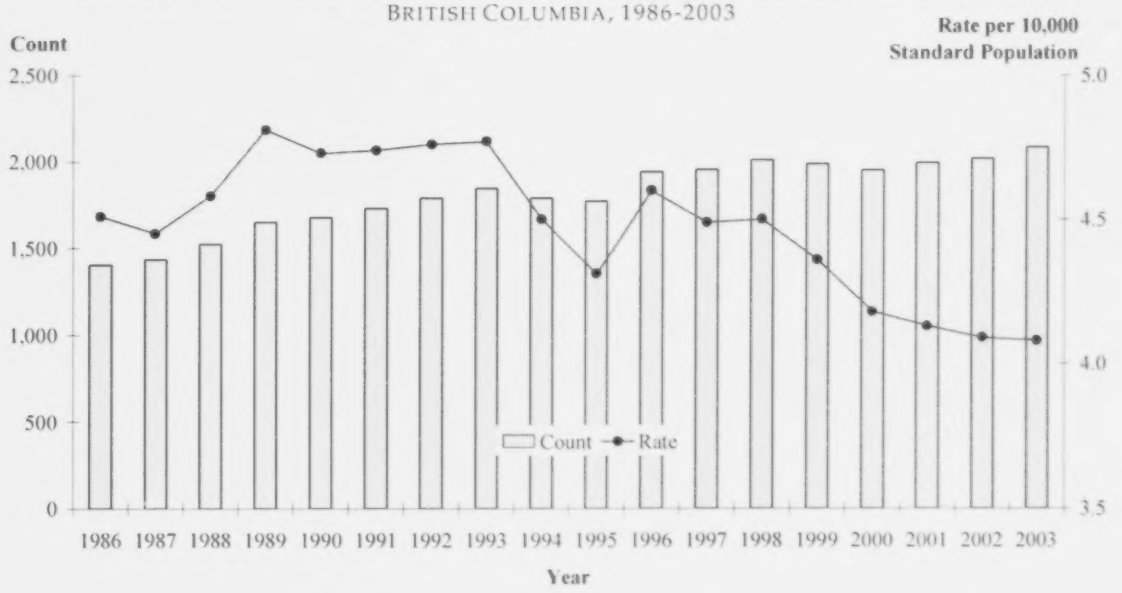
HIGHLIGHTS TO FIGURE 18

- The number of B.C. residents who died from malignant neoplasms (cancer) rose to 8,101 in 2003 from 7,946 in 2002. The ASMR for malignant neoplasms fell from 15.81 per 10,000 standard population in 2002 to 15.58 in 2003, driven by an aging and growing population in the province.
- The downward trend in the ASMR for cancer is statistically significant at the 95% level.

FIGURE 19

DEATHS AND DEATH RATES, MALIGNANT NEOPLASM OF LUNG

BRITISH COLUMBIA, 1986-2003



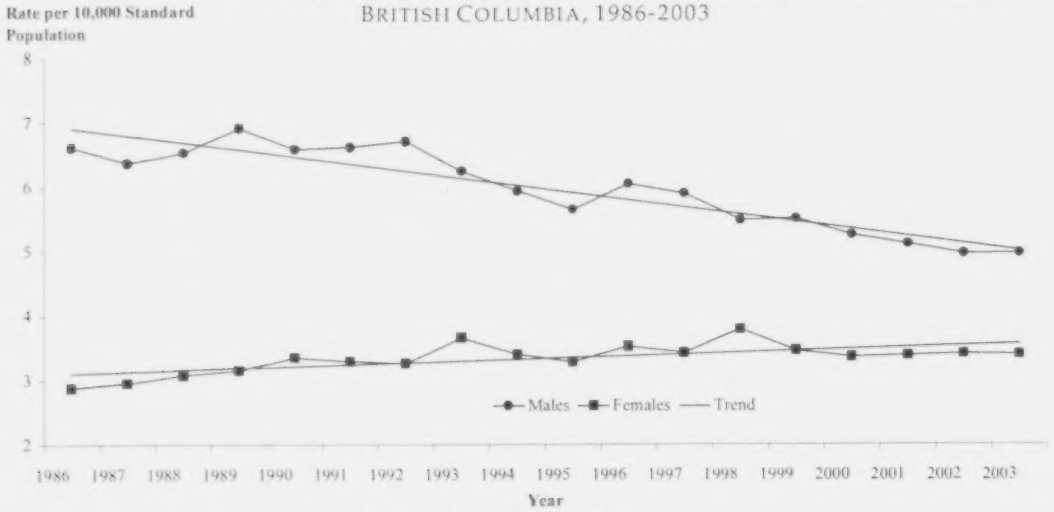
HIGHLIGHTS TO FIGURE 19

- Deaths from malignant neoplasm of lung (lung cancer) in 2003 increased to 2,082, up 66 from the 2,016 deaths in 2002. The ASMR was 4.08 per 10,000 standard population in 2003, almost identical to the rate in 2002 (4.09).
- The ASMR for malignant neoplasm of lung is on a downward trend (statistically significant at the 95% level) after being level until the early 1990s.

FIGURE 20

DEATH RATES BY GENDER, MALIGNANT NEOPLASM OF LUNG

BRITISH COLUMBIA, 1986-2003



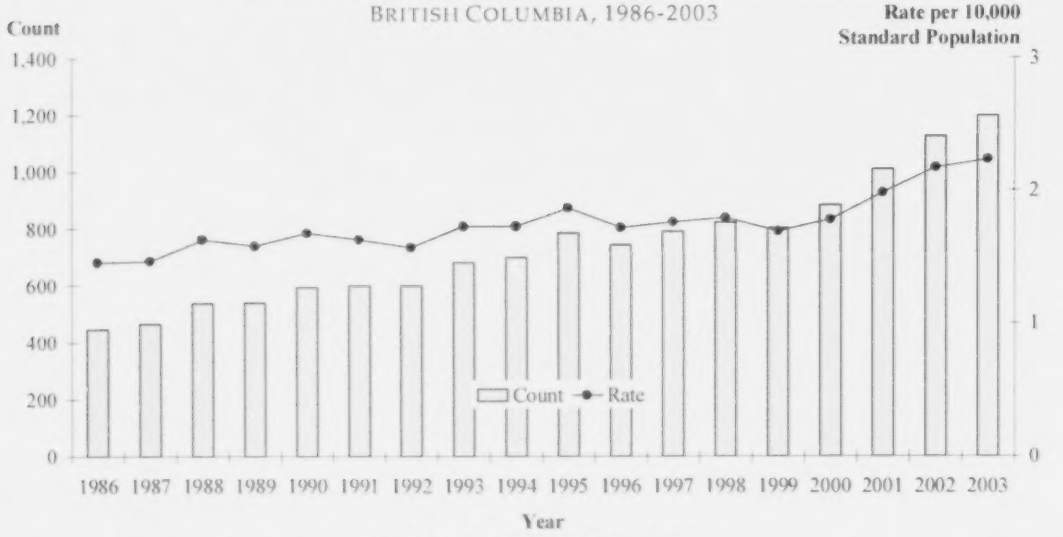
HIGHLIGHTS TO FIGURE 20

- The ASMR for malignant neoplasm of lung (lung cancer) in males in 2003 (4.97 per 10,000 standard population) was almost identical to the rate in 2002 (4.96), the lowest since at least 1986. The downward trend in the ASMR for malignant neoplasm of lung in males is statistically significant at the 95% level.
- The ASMR for malignant neoplasm of lung for females in 2003 (3.40 per 10,000 standard population) was also almost identical to the rate in 2002 (3.41). The increasing trend in the ASMR for malignant neoplasm of lung in females is statistically significant at the 95% level.

FIGURE 21

DEATHS AND DEATH RATES, ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES

BRITISH COLUMBIA, 1986-2003



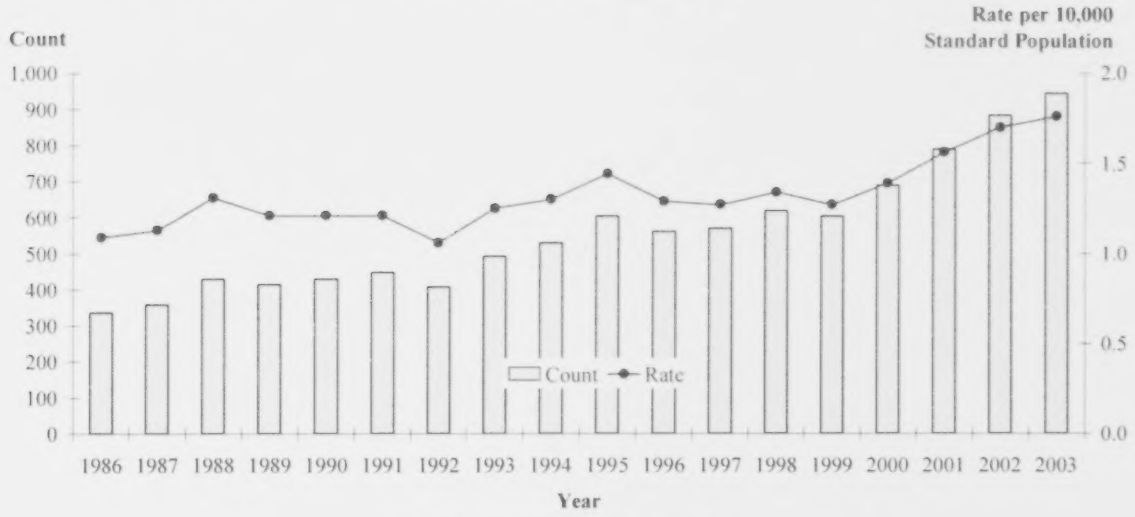
HIGHLIGHTS TO FIGURE 21

- There were 1,196 deaths from endocrine, nutritional, and metabolic disorders to B.C. residents in 2003. This was an increase of 73 from the 1,123 in 2002. The ASMR for endocrine, nutritional, and metabolic disease rose from 2.17 per 10,000 standard population in 2002 to 2.23 in 2003.
- Endocrine, nutritional, and metabolic disease rates are on an upward trend (statistically significant at the 95% level).

FIGURE 22

DEATHS AND DEATH RATES, DIABETES MELLITUS

BRITISH COLUMBIA, 1986–2003



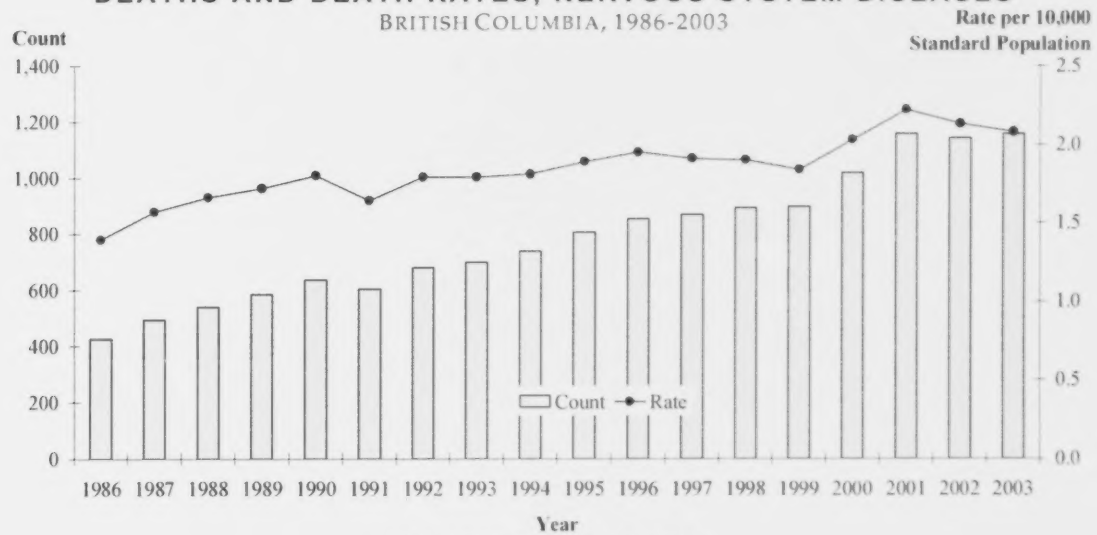
HIGHLIGHTS TO FIGURE 22

- In 2003, 78.8% of the endocrine, nutritional, and metabolic disease deaths were due to diabetes. There were 943 deaths from diabetes in 2003, up from 883 in 2002. The ASMR for diabetes increased as well, from 1.70 per 10,000 standard population in 2002 to 1.76 in 2003.
- The long term upward trend in the ASMR for diabetes is statistically significant at the 95% level.

FIGURE 23

DEATHS AND DEATH RATES, NERVOUS SYSTEM DISEASES

BRITISH COLUMBIA, 1986-2003



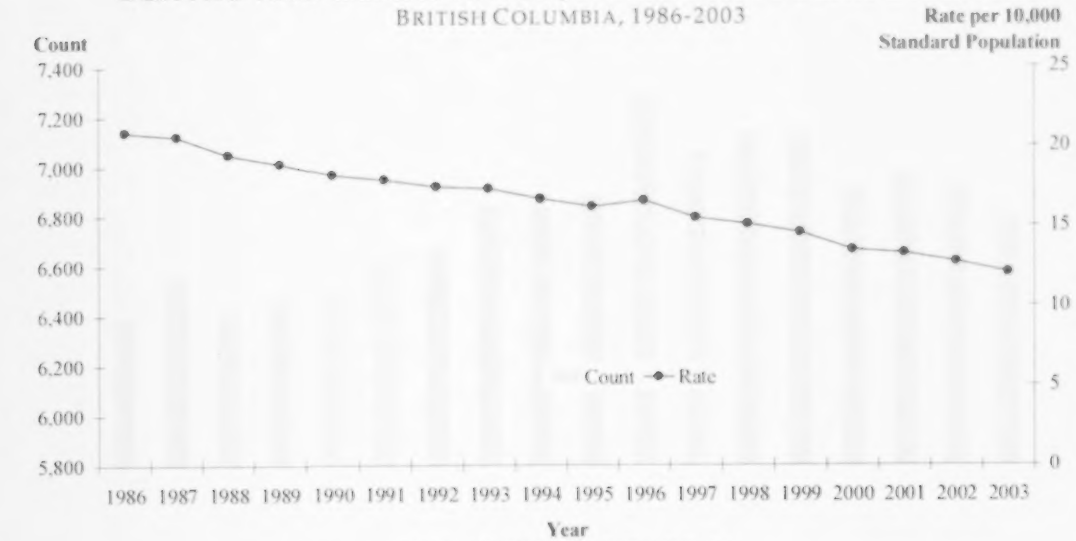
HIGHLIGHTS TO FIGURE 23

- The number of deaths from diseases of the nervous system increased slightly to 1,158 deaths in 2003, from 1,143 in 2002. The ASMR decreased from 2.13 per 10,000 standard population in 2002 to 2.08 in 2003.
- Despite the current drop in the ASMR, there is an upward trend in the ASMR of diseases of the nervous system (statistically significant at the 95% level).

FIGURE 24

DEATHS AND DEATH RATES, CARDIOVASCULAR DISEASE

BRITISH COLUMBIA, 1986-2003



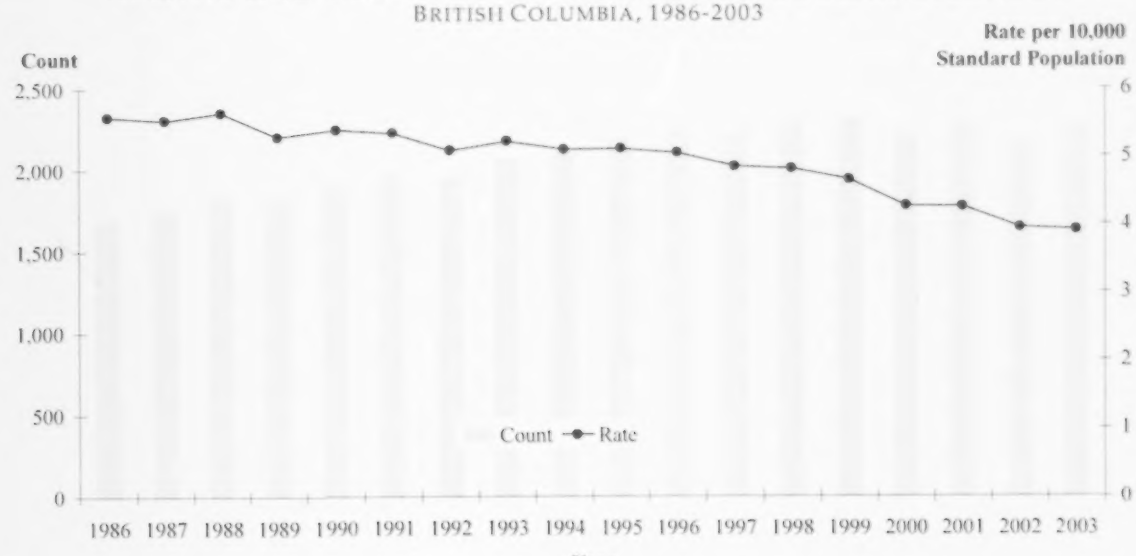
HIGHLIGHTS TO FIGURE 24

- There were 6,792 deaths from cardiovascular diseases in 2003, down from 6,936 in 2002. The ASMR for cardiovascular diseases also dipped from 12.74 per 10,000 standard population in 2002 to 12.06.
- The rate of deaths from cardiovascular diseases continues a downward trend (statistically significant at the 95% level), which has seen the ASMR drop from 20.92 per 10,000 standard population in 1986 to 12.06.

FIGURE 25

DEATHS AND DEATH RATES, CEREBROVASCULAR DISEASES

BRITISH COLUMBIA, 1986-2003



HIGHLIGHTS TO FIGURE 25

- There were 2,255 deaths from cerebrovascular diseases in 2003, up from 2,185 in 2002. The ASMR for cerebrovascular diseases in 2003 (3.91 deaths per 10,000 standard population) was almost identical to 2002 (3.94).
- There is a long run downward trend in the ASMR for cerebrovascular diseases (statistically significant at the 95% level).

FIGURE 26

DEATHS AND DEATH RATES, MOTOR VEHICLE ACCIDENTS

BRITISH COLUMBIA, 1986–2003

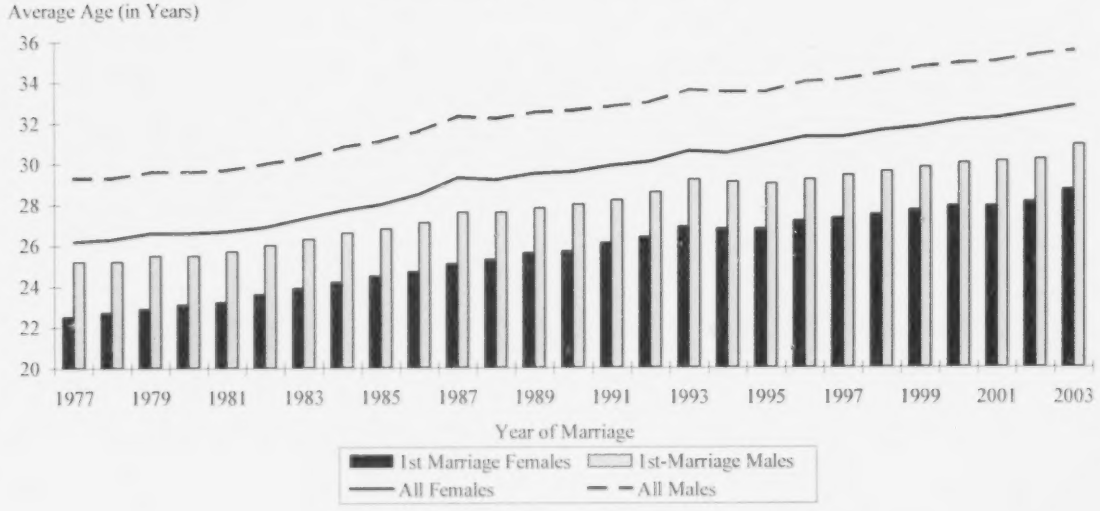
HIGHLIGHTS TO FIGURE 26

- There were 376 deaths due to motor vehicle accidents (MVA) to B.C. residents in 2003, a decrease from 448 deaths in 2002. The ASMR for MVAs decreased to 0.89 per 10,000 standard population in 2003 from 1.06 in 2002.
- There is a long term downward trend in MVA death rates (statistically significant at the 95% level). The ASMR has dropped from 1.80 per 10,000 standard population in 1986 to 0.89 in 2003.

TABLE 5
AGE OF FIRST AND ALL MARRIAGES
BRITISH COLUMBIA, 1977–2003

Year of Marriage	Average Age (in Years)				Year of Marriage	Average Age (in Years)			
	First Marriage		All Marriages			First Marriage		All Marriages	
	Males	Females	Males	Females		Males	Females	Males	Females
1977	25.2	22.5	29.3	26.2	1991	28.2	26.1	32.8	29.9
1978	25.2	22.7	29.3	26.3	1992	28.6	26.4	33.0	30.1
1979	25.5	22.9	29.6	26.6	1993	29.2	26.9	33.6	30.6
1980	25.5	23.1	29.6	26.6	1994	29.1	26.8	33.5	30.5
1981	25.7	23.2	29.7	26.7	1995	29.0	26.8	33.5	30.9
1982	26.0	23.6	30.0	26.9	1996	29.2	27.2	34.0	31.3
1983	26.3	23.9	30.3	27.3	1997	29.4	27.3	34.1	31.3
1984	26.6	24.2	30.8	27.7	1998	29.6	27.5	34.4	31.6
1985	26.8	24.5	31.1	28.0	1999	29.8	27.7	34.7	31.8
1986	27.1	24.7	31.6	28.5	2000	30.0	27.9	34.9	32.1
1987	27.6	25.1	32.3	29.3	2001	30.1	27.9	35.0	32.2
1988	27.6	25.3	32.2	29.2	2002	30.2	28.1	35.3	32.5
1989	27.8	25.6	32.5	29.5	2003	30.9	28.7	35.6	32.9
1990	28.0	25.7	32.6	29.6					

FIGURE 27
AGE OF FIRST AND ALL MARRIAGES
BRITISH COLUMBIA, 1977–2003



HIGHLIGHTS TO TABLE 5/FIGURE 27

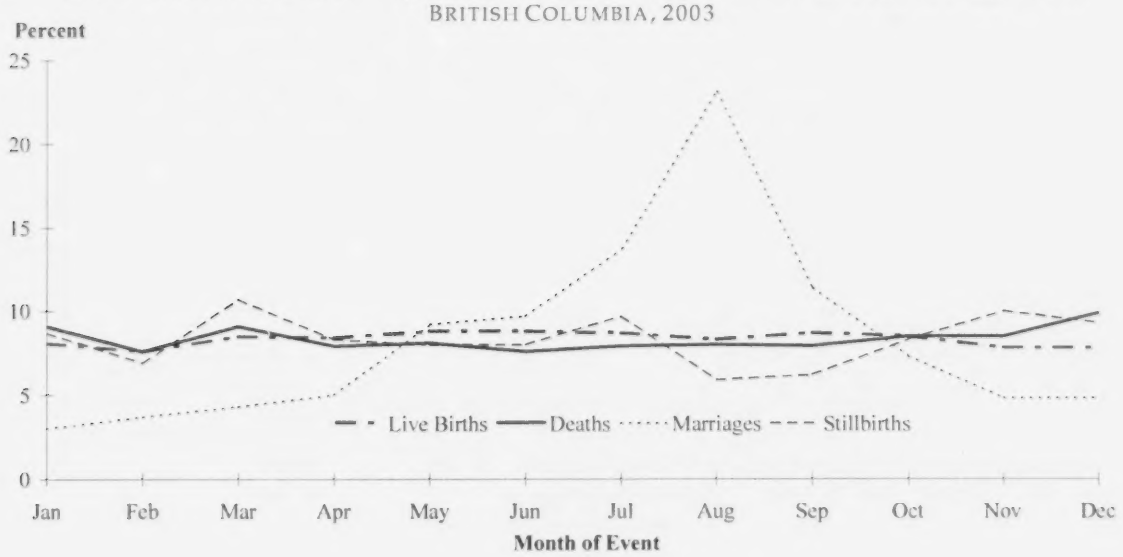
- The average age of males marrying for the first time in 2003 was 30.9, while females marrying for the first time were, on average, 28.7 years old.
- In recent decades, there has been a steady increase in the average age of first marriages (statistically significant for both males and females at the 95% level). Males marrying for the first time in 2003 were 5.7 years older than males marrying for the first time in 1977, while females were 6.2 years older than females marrying for the first time in 1977.
- The average age of people getting married has climbed steadily since 1977 (a statistically significant trend for both males and females at the 95% level). The average age of males who got married in B.C. in 2003 was 35.6 years old, females averaged 32.9 years old.

TABLE 6
LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS BY MONTH
BRITISH COLUMBIA, 2003

Month	Live Births		Deaths		Marriages		Stillbirths	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
January	3,244	8.1	2,649	9.1	650	3.0	25	8.7
February	3,072	7.6	2,201	7.6	813	3.7	20	6.9
March	3,442	8.5	2,642	9.1	953	4.3	31	10.7
April	3,367	8.4	2,306	7.9	1,091	5.0	24	8.3
May	3,560	8.8	2,355	8.1	2,032	9.2	23	8.0
June	3,563	8.8	2,215	7.6	2,139	9.7	23	8.0
July	3,503	8.7	2,310	7.9	3,018	13.7	28	9.7
August	3,351	8.3	2,319	8.0	5,070	23.1	17	5.9
September	3,491	8.7	2,287	7.9	2,495	11.4	18	6.2
October	3,423	8.5	2,485	8.5	1,601	7.3	24	8.3
November	3,125	7.8	2,470	8.5	1,049	4.8	29	10.0
December	3,144	7.8	2,869	9.9	1,064	4.8	27	9.3
Residents*	40,285	100.0	29,108	100.0	21,975	100.0	289	100.0
Non-residents	194		301		*		4	
TOTAL	**40,479**		**29,409**		**21,975**		**293**	

Note: Total percentage may not add up to 100 due to rounding.
*Marriage counts by month are based on event place and include non-residents.

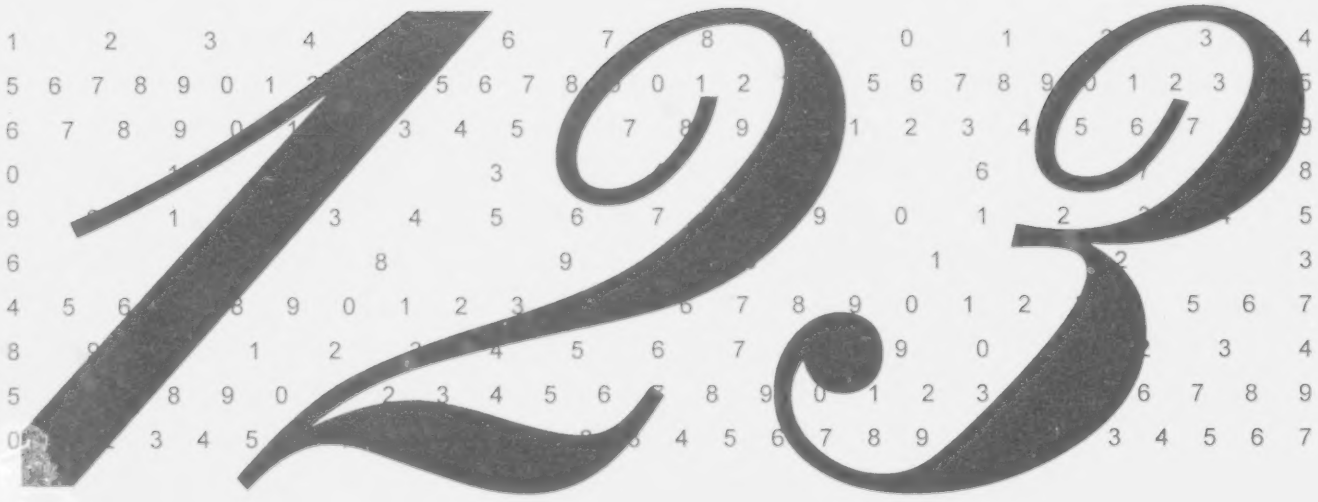
FIGURE 28
LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS BY MONTH
BRITISH COLUMBIA, 2003



HIGHLIGHTS TO TABLE 6/FIGURE 28

- Of vital events in the province, only marriages show a marked seasonal distribution. In 2003, the most popular month to marry was August, with more than a fifth (23.1%) of the year's total marriages, and the majority of marriages (57.9%) occurred in the summer (June to September). January was the least popular month for marriages in 2003.
- Live births were fairly evenly distributed over the twelve months in 2003, although the winter months (November, December, January, and February) had the lowest numbers, and May and June had the highest numbers of live births.
- The highest number of deaths in 2003 occurred in December and the lowest number occurred in February.
- The largest number of stillbirths in 2003 occurred in March.

Birth-related Statistics



Vital Statistics Information Box

Most Chosen First Names for Babies in 2003

Each year the British Columbia Vital Statistics Agency produces lists of the most chosen baby names. In 2003, 559 boys' names and 633 girls' names were chosen for five or more newborns. Alternate spellings of names that sound alike (such as Ann and Anne) are not combined. The table below provides the top 30 names. The complete list for 2003 and several previous years can be found at http://www.vs.gov.bc.ca/babynames/index.html. The most popular names from 1950, 1960, 1970, 1980, and 1990 are provided in another information box in this report.

	Baby Boys		Baby Girls	
Rank	Name	Number	Name	Number
1	Ethan	325	Emma	346
2	Joshua	276	Emily	300
3	Matthew	271	Olivia	208
4	Jacob	252	Hannah	196
5	Ryan	231	Sarah	173
6	Alexander	200	Madison	163
7	Liam	199	Grace	148
8	Nicholas	194	Jessica	148
9	Benjamin	193	Isabella	133
10	Nathan	191	Megan	131
11	Dylan	179	Ashley	128
12	Tyler	171	Rachel	126
13	Daniel	162	Taylor	125
14	Michael	160	Ella	123
15	Justin	156	Chloe	116
16	Connor	153	Paige	116
17	Andrew	152	Hailey	111
18	Jordan	151	Sophia	109
19	Logan	151	Samantha	107
20	Owen	149	Lauren	104
21	Aidan	148	Sydney	104
22	James	146	Elizabeth	100
23	William	146	Julia	97
24	Noah	145	Abigail	93
25	Samuel	139	Nicole	91
26	Austin	129	Mackenzie	90
27	Lucas	129	Alexandra	88
28	Evan	123	Maya	88
29	Cameron	117	Ava	87
30	Kyle	116	Jenna	87

Summary

Statistics arising from birth events in British Columbia are presented in this section. These events are assigned to a Local Health Area (LHA) based on the usual residence of the mother. Information is included on birth weight, gestational age, mode of delivery, maternal and paternal age, birth order, birth kind, complications of pregnancy and delivery, and complications in the perinatal period. Maps depicting variations in rates or ratios by LHA accompany several tables.

Statistics on birth events for 2003 are summarized below:

- There were 40,285 live births and 289 stillbirths in the province to B.C. residents. The live birth rate was 9.72 per 1,000 population (see Table 1); the stillbirth rate was 7.12 per 1,000 total births.
- The average age of B.C. women giving birth in 2003 was 29.8 years.
- Out of the 40,285 live births in 2003, only 1,177 (2.9%) were multiple births. There were 1,148 live born twins, 29 live born triplets and no quadruplets born in B.C. in 2003.
- Almost two thirds (61.3%) of live births in 2003 were delivered spontaneously without assistance (forceps or vacuum). More than a quarter of all live births (28.2%) were delivered by cesarean section (11,367) and almost two thirds of these (64.0%) were first cesareans (7,280). The 2003 cesarean section rate was 282.16 per 1,000 live births.
- There were 20,647 males (51.3%) and 19,636 females (48.7%) born in 2003.
- Almost nine out of ten live births (35,560) were delivered at term (from 37 to 41 weeks gestation) with normal birth weight (2,500 to 4,499 grams). These babies with "healthy" gestational ages and birth weights accounted for 88.3% of live births in 2003.
- There were 2,129 live births with low birth weight (less than 2,500 grams) and 2,889 pre-term (less than 37 weeks gestation) live births in 2003. A total of 1,529 babies (3.8%) were both pre-term and low birth weight; out of this group, approximately one in nine (171 births) had very low birth weight (less than 1,500 grams) and was extremely premature (less than 28 weeks gestation).
- Of live births to teenage mothers (less than 20 years of age), 92.6% had healthy birth weights, 5.6% had low and 1.8% had high birth weights. For mothers in the 40 or older age group, 90.1% of live births had healthy birth weights, 7.0% had low and 2.5% had high birth weights.
- In 2003, there were 2,129 live births with low birth weight (less than 2,500 grams). The provincial low birth weight (LBW) live birth rate was 52.85 per 1,000 live births

TABLE 7
BIRTHS BY AGE OF MOTHER AND LIVE BIRTHS BY BIRTH ORDER
BRITISH COLUMBIA, 2003

Age of Mother	Birth Order										Total Live Births	Stillbirths	Total Births
	1	2	3	4	5	6	7	8	9+	N.S.			
<13	-	-	-	-	-	-	-	-	-	-	-	-	-
13	2	-	-	-	-	-	-	-	-	-	2	-	2
14	6	-	-	-	-	-	-	-	-	-	6	-	6
15	40	4	2	-	-	-	-	-	-	-	46	-	46
16	116	6	-	-	-	-	-	-	-	-	122	1	123
17	227	17	2	-	-	-	-	-	-	-	246	2	248
18	344	42	5	-	-	-	-	-	-	-	391	3	394
19	502	149	11	-	-	-	-	-	-	-	662	4	666
20	604	193	37	2	-	-	-	-	-	-	836	8	844
21	681	284	66	8	1	-	-	-	-	-	1,040	4	1,044
22	692	399	96	9	2	1	-	-	-	-	1,199	10	1,209
23	788	439	120	22	4	-	-	-	-	1	1,374	7	1,381
24	846	540	167	41	6	1	1	-	-	-	1,602	9	1,611
25	871	661	204	43	9	9	1	1	-	-	1,799	14	1,813
26	1,015	722	226	58	18	8	3	-	-	1	2,051	12	2,063
27	1,162	786	264	70	31	5	1	-	-	-	2,319	17	2,336
28	1,201	859	302	91	22	6	1	1	-	-	2,483	19	2,502
29	1,220	926	327	78	29	19	4	-	2	1	2,606	18	2,624
30	1,252	1,035	358	111	29	13	4	-	-	-	2,802	17	2,819
31	1,160	1,132	404	104	27	17	5	1	1	-	2,851	17	2,868
32	1,126	1,151	369	103	23	9	3	3	2	-	2,789	19	2,808
33	962	1,033	381	100	37	14	1	7	4	-	2,539	17	2,556
34	812	982	398	100	15	19	3	3	1	-	2,333	13	2,346
35	637	864	359	93	24	17	7	3	1	-	2,005	16	2,021
36	492	671	266	88	26	18	3	5	5	-	1,574	13	1,587
37	377	512	241	88	27	13	7	2	4	-	1,271	14	1,285
38	309	441	211	73	24	8	6	3	3	-	1,078	10	1,088
39	244	348	162	63	20	6	5	1	3	-	852	5	857
40	165	226	98	37	26	9	5	4	4	-	574	6	580
41	110	121	81	27	11	12	4	4	2	1	373	2	375
42	72	70	39	17	7	8	2	-	3	-	218	7	225
43	38	35	23	5	8	4	1	3	3	-	120	2	122
44	18	17	10	3	4	3	-	-	1	-	56	2	58
45+	17	19	16	8	2	2	1	1	-	-	66	1	67
N.S	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**18,108**	**14,684**	**5,245**	**1,442**	**432**	**221**	**68**	**42**	**39**	**4**	**40,285**	**289**	**40,574**

Note: Birth order denotes the number of live births. Non-residents are excluded. N.S. – Not stated.

HIGHLIGHTS TO TABLE 7

- Of the 40,285 live births in 2003, almost half (44.9%) were first born (18,108), more than a third (36.5%) were second born (14,684), and about one in five (18.6%) was third born or greater (7,489).
- The average age of B.C. women giving birth in 2003 was 29.8 years. The average maternal age of first live births was 28.3 years, compared to 30.5 years for mothers of second live births and 31.9 years for mothers having their third or more live birth.
- In 2003, there were 1,475 live births to mothers younger than 20 years old, resulting in a teenage mother rate of 36.61 per 1,000 live births.
- There were 8,187 live births to mothers aged 35 or older in 2003. The elderly gravida rate has increased in recent years; the 2003 rate was 203.23 per 1,000 live births.
- There were 289 stillbirths in 2003. Including stillbirths, there were 40,574 total births in 2003 to B.C. residents. The 2003 stillbirth rate was 7.12 per 1,000 total births.

TABLE 8
LIVE BIRTHS BY AGE OF FATHER, AGE OF MOTHER AND OUT-OF-WEDLOCK
BRITISH COLUMBIA, 2003

Age of Father	Age of Mother (in Years)									Total	Percent
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.		
< 15	-	1	-	-	-	-	-	-	-	1	0.0
15-19	2	288	83	11	-	2	-	-	-	386	1.0
20-24	-	537	1,761	448	57	15	-	-	-	2,818	7.0
25-29	-	169	2,097	4,213	1,092	157	22	3	-	7,753	19.2
30-34	-	41	809	3,932	6,053	1,119	92	2	-	12,048	29.9
35-39	-	12	229	1,190	3,834	2,933	305	3	-	8,506	21.1
40-44	-	5	62	381	1,089	1,546	487	13	-	3,583	8.9
45+	-	3	24	117	353	585	337	41	-	1,460	3.6
N.S.	6	411	986	966	836	423	98	4	-	3,730	9.3
TOTAL	**8**	**1,467**	**6,051**	**11,258**	**13,314**	**6,780**	**1,341**	**66**	**-**	**40,285**	
Percent	**0.0**	**3.6**	**15.0**	**27.9**	**33.0**	**16.8**	**3.3**	**0.2**	**-**		**100.0**
Out-of-Wedlock	**8**	**1,199**	**3,056**	**2,666**	**1,806**	**1,077**	**263**	**13**	**-**	**10,088**	

Note: Total percentage may not add up to 100 due to rounding.
Out-of-Wedlock denotes mother and father of child were not legally married to each other and excludes 2,706 cases where marital status was not stated.
Non-residents are excluded. N.S. – Not stated.

HIGHLIGHTS TO TABLE 8

- Out of 100 live births in 2003, approximately:
  - 4 were to teenage mothers, less than 20 years old (1,475)
  - 43 were to mothers 20 to 29 years old (17,309)
  - 50 were to mothers 30 to 39 years old (20,094)
  - 4 were to mothers 40 years of age or older (1,407)
- Out of 100 live births in 2003, approximately:
  - 1 was to a teenage father, less than 20 years old (387)
  - 26 were to fathers 20 to 29 years old (10,571)
  - 51 were to fathers 30 to 39 years old (20,554)
  - 13 were to fathers 40 years of age or (5,043)
  - 9 did not include father's age (3,730)
- There were 291 live births (0.7%) where both parents were teenagers (less than 20 years of age) and 863 where only one of the parents was a teenager (2.1%).
- There were 878 live births (2.2%) where both parents were 40 years of age or older and 4,592 births where only one of the parents was 40 years or older (11.4%).
- One quarter (25.0%) of the live births in 2003 were reported as out-of-wedlock (10,088). The number of out-of-wedlock births is actually higher since births where it was not known if the parents were married to each other have not been included.

TABLE 9
LIVE BIRTHS BY AGE OF MOTHER AND KIND OF BIRTH
BRITISH COLUMBIA, 2003

Age of Mother	Kind of Birth				Total
	Single	Twin	Triplets+	N.S.	
< 15	8	-	-	-	8
15-19	1,430	37	-	-	1,467
20-24	5,932	119	-	-	6,051
25-29	10,991	267	-	-	11,258
30-34	12,909	393	12	-	13,314
35-39	6,492	271	17	-	6,780
40-44	1,292	49	-	-	1,341
45 +	54	12	-	-	66
N.S.	-	-	-	-	-
TOTAL	**39,108**	**1,148**	**29**	**-**	**40,285**

Note: For the multiple births which include stillbirths, only live births are shown in this table.
Triplets+: included in this column are the live births from multiple births of three or more.
Non-residents are excluded. N.S. – Not stated.

HIGHLIGHTS TO TABLE 9

- Out of the 40,285 live births in 2003, only 1,177 (2.9%) were multiple births.
- Of all live births in 2003:
  - Almost all (97.1%) were singletons (39,108)
  - One twin was born out of every 35 live births (1,148 twins)
  - A triplet was born once in 1,389 live births (29 triplets)
  - There were no quadruplets born in B.C. in 2003.
- Older mothers, 35 years of age or older, had the highest proportion of multiple births; 349 births or 4.3% of live births to these mothers were multiple births. The 791 multiple births to mothers aged 20 to 34 years accounted for 2.6% of births to mothers in this age group. The lowest proportion of multiple births was to teenage mothers; the 37 twins born to teens accounted for 2.5% of births to mothers in this age group.

Vital Statistics Information Box

Popular Names for Babies

British Columbia, 1950, 1960, 1970, 1980, and 1990

The 20 most popular first names chosen for babies born in British Columbia in 1950, 1960, 1970, 1980, and 1990 are listed below.

Baby Boys

Rank	1950	1960	1970	1980	1990
1	Robert	David	Michael	Michael	Michael
2	David	Robert	David	Christopher	Matthew
3	John	Michael	Robert	Ryan	Christopher
4	James	John	Jason	David	Daniel
5	William	James	James	Jason	Kyle
6	Richard	Richard	Christopher	Robert	Ryan
7	Kenneth	William	John	Matthew	Jordan
8	Donald	Kenneth	Richard	James	David
9	Ronald	Brian	Kevin	Daniel	Andrew
10	Douglas	Mark	Mark	Kevin	Joshua
11	Michael	Douglas	Steven	Justin	Justin
12	Brian	Daniel	William	Andrew	James
13	Gordon	Ronald	Paul	Jeffrey	Tyler
14	Thomas	Donald	Brian	John	Kevin
15	Gary	Gordon	Scott	Steven	Nicholas
16	Wayne	Gregory*	Darren	Jeremy	Robert
17	Peter	Peter*	Daniel	Tyler	Alexander
18	Dennis	Stephen	Kenneth	Adam	Brandon
19	Bruce	Steven	Andrew	Richard*	Cody
20	Daniel*	Thomas	Sean	William*	Steven
	Larry*				

Baby Girls

Rank	1950	1960	1970	1980	1990
1	Linda	Sandra	Lisa	Jennifer	Jessica
2	Patricia	Susan	Michelle	Amanda	Amanda
3	Barbara	Karen	Jennifer	Sarah	Sarah
4	Susan	Linda	Tracy	Melissa	Ashley
5	Sharon	Patricia	Tammy	Lisa	Stephanie
6	Margaret	Barbara	Karen	Michelle	Jennifer*
7	Donna	Deborah	Nicole	Nicole	Samantha*
8	Judith	Brenda	Christine	Erin	Brittany
9	Carol	Donna	Shannon*	Jessica	Nicole
10	Sandra	Mary	Susan*	Angela*	Megan
11	Wendy	Cheryl	Angela	Heather*	Kayla
12	Karen	Catherine	Laura	Andrea	Melissa*
13	Shirley	Wendy	Sandra	Kimberly	Michelle*
14	Elizabeth	Cindy*	Tanya	Shannon	Emily
15	Kathleen	Elizabeth*	Heather	Christina*	Chelsea
16	Heather	Kathleen	Kimberly	Laura*	Kelsey
17	Brenda	Sharon	Patricia	Crystal	Rebecca
18	Janet	Shelley	Brenda	Amy	Laura
19	Catherine	Debra	Lori	Stephanie	Danielle
20	Janice	Margaret	Tracey	Tara	Lauren

* Ties

LIVE BIRTH FERTILITY RATES BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1998–2002 AND 2003

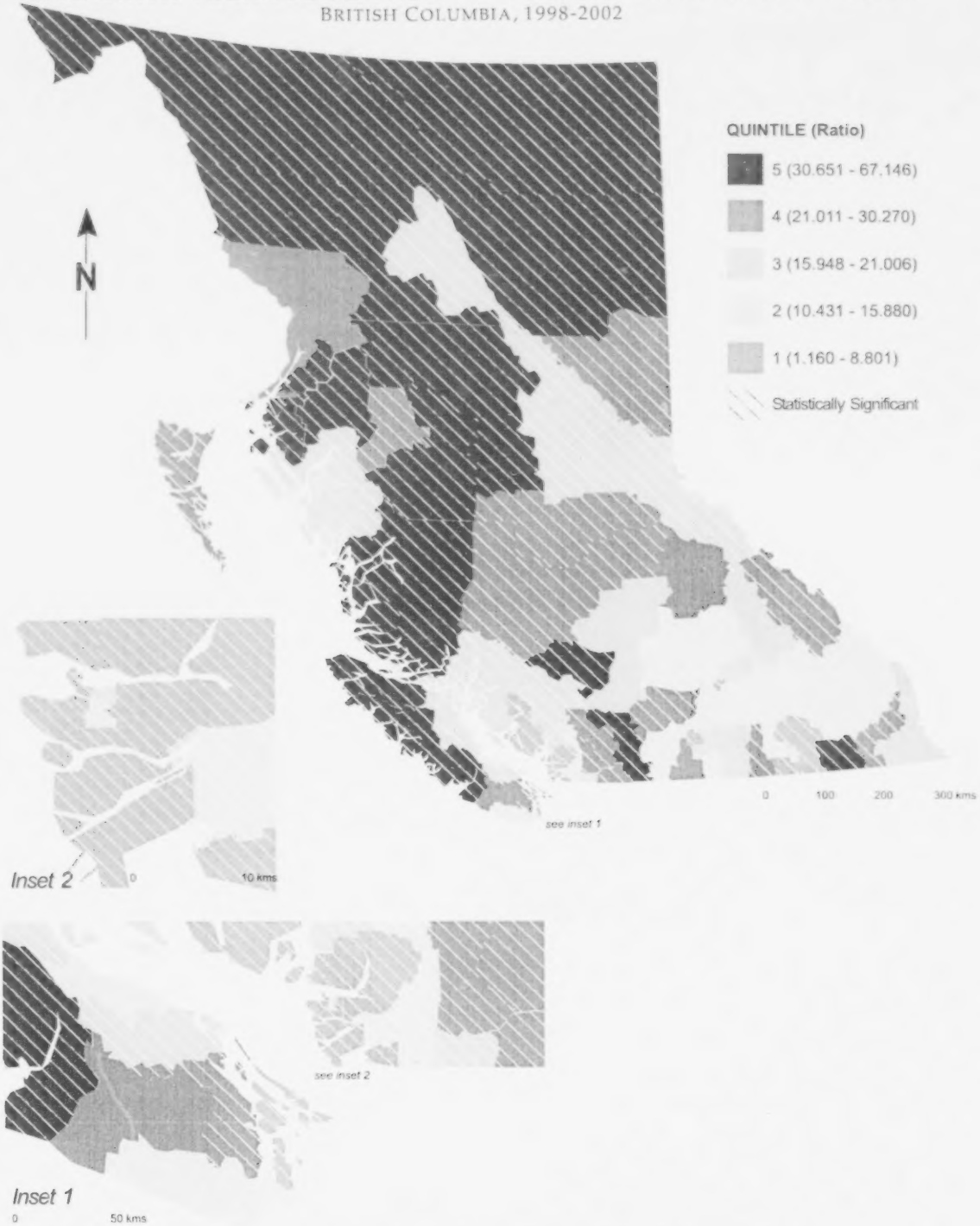
Local	Health Area	1998–2002 Teenage Fertility Rate (15–19 yrs)			2003 ASFR[1]						TFR[2]	
		Observed	ASFR[1]	(p)	15–19	20–24	25–29	30–34	35–39	40–44	Rate	(p)
001	Fernie	43	16.15		10.33	26.36	112.50	96.62	25.77	2.55	1,370.66	
002	Cranbrook	109	22.12	*	18.09	54.36	88.54	73.32	32.69	5.83	1,364.14	
003	Kimberley	21	15.56		15.27	26.32	68.06	100.00	24.73	2.73	1,185.57	
004	Windermere	19	11.01		8.62	40.70	70.31	78.50	14.33	-	1,062.28	*
005	Creston	96	47.38	*	36.02	92.96	146.02	117.42	27.93	9.11	2,147.31	*
006	Kootenay Lake	9	14.75		10.20	43.86	290.32	43.01	17.39	-	2,023.94	
007	Nelson	40	8.80	*	4.35	31.68	114.65	117.94	44.59	5.36	1,592.80	
009	Castlegar	26	10.59		4.37	13.59	86.69	79.89	41.10	2.00	1,138.14	*
010	Arrow Lakes	11	14.84		-	40.23	100.00	76.27	34.97	11.24	1,313.51	
011	Trail	28	6.98	*	6.13	27.40	79.19	87.04	34.59	2.38	1,183.60	*
012	Grand Forks	32	21.01	*	19.23	51.02	96.77	69.77	34.22	11.24	1,411.25	
013	Kettle Valley	12	20.13		9.09	70.71	304.35	30.00	-	-	2,070.73	
014	Southern Okanagan	37	15.88		5.83	47.15	87.18	86.84	32.26	5.18	1,322.19	
015	Penticton	126	20.57	*	14.23	49.59	83.49	57.33	26.25	3.05	1,169.74	*
016	Keremeos	13	21.07		32.00	102.36	185.19	56.60	45.45	6.10	2,138.52	*
017	Princeton	10	15.63		6.49	53.44	28.99	39.60	20.00	-	742.59	*
018	Golden	36	25.88	*	-	43.48	130.43	56.39	20.83	-	1,255.69	
019	Revelstoke	29	18.58		13.94	63.75	119.76	55.56	33.06	8.04	1,470.50	
020	Salmon Arm	61	11.55		6.20	54.34	102.53	89.14	31.85	2.27	1,431.58	
021	Armstrong-Spallumcheen	16	8.13	*	4.91	28.57	155.84	97.22	18.81	4.42	1,548.88	
022	Vernon	131	12.70		11.89	54.15	83.13	100.35	36.01	3.21	1,443.72	
023	Central Okanagan	340	13.70		8.96	43.61	87.37	81.49	35.92	5.08	1,312.13	*
024	Kamloops	291	15.77	*	11.48	57.17	83.49	70.33	34.50	5.15	1,310.61	
025	100 Mile House	44	15.95		8.90	71.43	175.82	61.78	10.73	-	1,643.34	
026	North Thompson	22	21.91		14.71	41.92	119.28	65.09	24.63	-	1,323.10	
027	Cariboo-Chilcotin	169	30.27	*	20.76	77.73	125.45	64.92	20.47	6.24	1,577.84	*
028	Quesnel	110	21.80	*	13.83	66.23	116.49	61.43	22.05	2.88	1,414.51	
029	Lillooet	37	39.66	*	38.28	89.17	144.07	107.14	23.95	4.83	2,037.22	*
030	South Cariboo	28	20.56		17.24	62.04	84.34	50.28	18.59	7.46	1,199.76	
031	Merritt	48	21.50	*	17.27	74.29	108.30	68.12	37.04	2.09	1,535.56	
032	Hope	46	31.92	*	29.94	59.44	178.34	91.37	24.22	3.05	1,931.83	*
033	Chilliwack	311	24.97	*	20.68	84.39	121.44	106.94	31.66	6.44	1,857.72	*
034	Abbotsford	364	17.06	*	12.32	74.10	146.03	105.68	32.72	5.06	1,879.56	*
035	Langley	218	10.43	*	7.70	48.18	111.01	111.66	42.07	4.90	1,627.58	*
037	Delta	117	6.33	*	5.16	34.37	99.77	136.41	51.32	8.38	1,677.06	*
038	Richmond	106	3.65	*	2.75	14.73	54.78	96.19	46.77	10.26	1,127.37	*
040	New Westminster	129	18.70	*	13.99	43.60	75.44	74.47	45.32	8.81	1,308.18	
041	Burnaby	255	8.12	*	6.94	22.19	69.55	90.68	53.12	10.19	1,263.39	*
042	Maple Ridge	158	11.45	*	9.59	36.59	106.11	97.48	34.54	6.85	1,455.85	
043	Coquitlam	248	7.18	*	5.13	25.19	73.07	107.18	47.94	6.85	1,326.85	*
044	North Vancouver	83	3.88	*	4.88	14.51	61.26	116.09	63.63	8.66	1,345.10	
045	West Vancouver-Bowen Is.	12	1.51	*	2.44	4.21	32.85	120.00	101.28	17.30	1,390.35	
046	Sunshine Coast	36	8.43	*	9.00	34.25	75.13	84.30	37.62	10.28	1,252.94	
047	Powell River	60	17.81		8.38	49.18	92.73	72.63	24.53	5.04	1,262.43	
048	Howe Sound	88	19.36	*	12.24	28.36	63.24	93.69	58.18	14.85	1,352.74	
049	Bella Coola Valley	35	51.78	*	36.23	138.89	153.85	122.30	30.53	31.01	2,564.06	*
050	Queen Charlotte	22	28.72	*	25.48	148.94	150.00	51.95	34.48	12.88	2,118.60	*
051	Snow Country	3	21.43		-	66.67	96.77	-	71.43	-	1,174.35	
052	Prince Rupert	127	39.29	*	37.99	67.74	118.71	72.10	34.18	13.16	1,719.37	*
053	Upper Skeena	69	57.74	*	21.16	119.62	89.47	67.87	45.98	13.16	1,786.32	
054	Smithers	85	23.50	*	15.76	79.21	147.54	88.37	38.75	5.12	1,873.75	*
055	Burns Lake	48	30.83	*	23.03	77.44	111.70	95.04	26.40	7.12	1,703.65	
056	Nechako	110	31.68	*	24.88	116.98	176.72	55.56	27.86	1.46	2,017.23	*
057	Prince George	399	19.80	*	15.64	65.79	105.23	67.36	33.37	4.25	1,458.20	
059	Peace River South	124	24.84	*	35.02	99.76	88.01	48.00	22.18	4.49	1,487.29	
060	Peace River North	200	33.51	*	34.99	123.91	181.27	97.22	24.96	8.62	2,354.83	*
061	Greater Victoria	338	11.12	*	9.52	35.55	56.45	81.08	43.79	6.94	1,166.67	*
062	Sooke	115	12.46		10.39	49.81	119.94	116.52	26.23	7.07	1,649.76	*
063	Saanich	63	6.81	*	9.37	27.00	88.89	116.44	45.74	6.68	1,470.59	
064	Gulf Islands	13	6.64	*	6.86	27.97	86.02	91.91	44.78	7.86	1,327.02	
065	Cowichan	227	24.70	*	12.69	54.62	111.64	96.44	29.00	7.21	1,558.03	*
066	Lake Cowichan	25	21.91		4.29	29.79	122.45	18.52	18.52	-	967.83	*
067	Ladysmith	64	23.62	*	19.20	58.82	130.58	82.96	24.43	-	1,579.99	
068	Nanaimo	271	16.63	*	15.68	57.30	84.33	80.74	29.57	4.69	1,361.58	
069	Qualicum	66	12.74		9.57	35.55	92.62	91.12	30.02	3.88	1,313.78	
070	Alberni	175	31.79	*	24.64	69.17	117.14	70.51	30.81	3.81	1,580.42	*
071	Courtenay	172	16.88	*	12.57	53.03	96.09	82.93	32.53	3.78	1,404.71	
072	Campbell River	153	20.79	*	16.26	73.98	120.09	83.71	25.77	4.51	1,621.63	*
075	Mission	151	21.85	*	14.58	79.30	160.95	121.46	29.53	4.37	2,050.89	*
076	Agassiz-Harrison	34	25.99	*	28.17	96.00	122.91	107.69	32.00	7.27	1,970.20	*
077	Summerland	12	6.08	*	2.43	25.19	138.89	115.94	35.46	6.54	1,622.22	
078	Enderby	29	20.88		27.97	47.43	118.11	60.61	11.58	3.14	1,344.23	
080	Kitimat	51	19.33	*	16.98	80.27	92.31	31.18	22.36	-	1,215.45	
081	Fort Nelson	40	30.65	*	41.51	137.44	161.16	72.61	16.33	-	2,145.21	*
083	Central Coast	14	40.58	*	100.00	240.00	121.95	81.08	13.51	-	2,782.73	*
084	Vancouver Island West	17	35.49	*	49.02	112.90	194.44	87.91	6.76	7.35	2,291.95	*
085	Vancouver Island North	129	44.87	*	28.38	120.45	153.85	42.52	25.00	3.32	1,867.54	*
087	Stikine	9	41.86	*	31.25	24.39	21.28	23.26	-	-	500.86	*
088	Terrace	131	31.68	*	21.84	74.57	124.81	82.85	24.10	7.92	1,680.38	*
092	Nisga'a	28	67.15	*	52.63	74.07	35.71	174.60	37.04	30.30	2,021.82	
094	Telegraph Creek	7	63.64	*	47.62	-	62.50	26.32	147.06	-	1,417.47	
161	Vancouver City Centre	27	4.66	*	1.75	9.90	23.70	39.88	36.92	10.06	610.98	*
162	Vancouver Downtown E. Side	99	21.01	*	19.70	44.69	62.16	53.73	37.83	12.75	1,154.28	*
163	Vancouver North East	115	8.29	*	6.78	35.88	78.15	97.01	50.57	12.82	1,406.02	
164	Vancouver West Side	21	1.16	*	1.35	5.48	26.84	89.73	71.56	17.79	1,063.74	*
165	Vancouver Midtown	137	13.05		7.18	44.20	76.37	79.41	47.75	10.44	1,326.70	
166	Vancouver South	117	5.59	*	5.92	20.54	70.14	93.16	61.00	11.04	1,308.97	*
201	Surrey	752	14.99	*	10.82	64.64	132.26	97.87	40.59	7.50	1,768.38	*
202	South Surrey/White Rock	33	3.17	*	2.63	7.59	71.00	130.28	47.62	8.44	1,337.73	
PROVINCIAL TOTAL		**9,083**	**13.68**		**10.76**	**43.32**	**85.32**	**88.71**	**41.91**	**7.53**	**1,387.73**	

Note: [1] Age-Specific Fertility Rate (ASFR): Live births per 1,000 women in each specific age group of childbearing age.
[2] Total Fertility Rate (TFR): Sum of age-specific (15 to 44 years) fertility rates multiplied by the number of years in each age group (see Glossary for definition). * Statistical testing indicates that fertility rate is significantly different from the average rate ($p<0.05$, two tailed).
Non-residents are excluded.

FIGURE 29

LIVE BIRTH TEENAGE FERTILITY RATES BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998-2002



Note: ASFR - Age-Specific Rate - Live births per 1,000 women age 15 to 19 years. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 10/FIGURE 29

- The Province's 2003 Total Fertility Rate (TFR) was 1,387.73 births per 1,000 women of childbearing age (15 to 44 years of age). See the Glossary for a definition of total fertility rates.
- There were 27 Local Health Areas (LHAs) with statistically significant TFRs that were higher than the Provincial TFR in 2003. The five highest were:

083	Central Coast	2,782.73
049	Bella Coola Valley	2,564.06
060	Peace River North	2,354.83
084	Vancouver Island West	2,291.95
005	Creston	2,147.31

- There were 16 LHAs with statistically significant TFRs that were lower than the Provincial TFR in 2003. The five lowest were:

087	Stikine	500.86
161	Vancouver City Centre	610.98
017	Princeton	742.59
066	Lake Cowichan	967.83
004	Windermere	1,062.28

- There were 10.76 live births per 1,000 young women in the 15-19 year age group in 2003. This age-specific fertility rate for 2003 was lower than the 1998-2002 teenage fertility rate of 13.68.
- For the 1998-2002 period, there were 44 LHAs with statistically significant teenage fertility rates that were higher than the provincial teenage fertility rate. The five LHAs with the highest statistically significant rates (number of births in parentheses) were:

092	Nisga'a	(28)	67.15
094	Telegraph Creek	(7)	63.64
053	Upper Skeena	(69)	57.74
049	Bella Coola Valley	(35)	51.78
005	Creston	(96)	47.38

- There were 21 LHAs in the 1998-2002 period with statistically significant teenage fertility rates that were lower than the provincial teenage fertility rate. The five LHAs with the lowest statistically significant rates (number of births in parentheses) were:

164	Vancouver West Side	(21)	1.16
045	West Vancouver-Bowen Is.	(12)	1.51
202	South Surrey/White Rock	(33)	3.17
038	Richmond	(106)	3.65
044	North Vancouver	(83)	3.88

TABLE 11
LIVE BIRTHS BY MODE OF DELIVERY AND AGE OF MOTHER
BRITISH COLUMBIA, 2003

Mode of Delivery	Age of Mother (in Years)									Total	Percent
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.		
Spontaneous vertex	6	1,046	4,109	7,082	7,878	3,735	679	21	-	24,556	61.0
Spontaneous breech	-	2	18	26	47	29	6	-	-	128	0.3
Forceps	-	42	196	497	568	230	50	1	-	1,584	3.9
Vacuum	-	106	410	819	851	386	73	5	-	2,650	6.6
First cesarean	2	244	1,013	1,962	2,406	1,323	308	22	-	7,280	18.1
Repeat cesarean	-	27	305	872	1,564	1,077	225	17	-	4,087	10.1
N.S.	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**8**	**1,467**	**6,051**	**11,258**	**13,314**	**6,780**	**1,341**	**66**	**-**	**40,285**	**100.0**
Percent	**0.0**	**3.6**	**15.0**	**27.9**	**33.0**	**16.8**	**3.3**	**0.2**	**-**	**100.0**	

Note: Breech presentations may be coded to forceps, vacuum, first cesarean or repeat cesarean mode of delivery, as well as spontaneous breech. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. N.S. – Not stated.

HIGHLIGHTS TO TABLE 11

- Almost two thirds (61.3%) of live births in 2003 were delivered spontaneously: 61.0% (24,556) were vertex and 0.3% (128) were breech. One in 25 births required the use of forceps (1,584 births) and one in 15 used vacuum (2,650 births).
- In 2003, more than a quarter of all live births (28.2%) were delivered by cesarean section (11,367) and almost two thirds of these (64.0%) were first cesareans (7,280). The 2003 cesarean section rate was 282.16 per 1,000 live births.
- Among teenage mothers (less than 20 years of age), one in five live births (18.5%) were delivered by cesarean section (273 births). Of these, 9.9% (27) were repeat cesarean sections.
- Just over one in four live births to mothers aged 20 to 34 (26.5%) were delivered by cesarean section (8,122). Of these deliveries, 33.7% (2,741) were repeat c-sections.
- For mothers aged 35 or older, more than one in three live births (36.3%) was delivered by cesarean section (2,972). Of these, 44.4% (1,319) were repeat c-sections.

Vital Statistics Information Box

Trends in Cesarean Section Deliveries

In April of 2004 the Canadian Institute for Health Information (CIHI) released the first in a series of reports on the state of maternal and perinatal care services in Canada. One of the findings of this report was that in Canada for 2001-2002, more than one in five deliveries (22.5%) were by cesarean section(1). This is part of a steady increase in cesarean sections over the past three decades from 6% of all deliveries in Canada in 1970, to 16% in 1980, and 19% in 1990(2), and this despite declining birth rates across the country.

The increase in cesarean deliveries can be attributed to a combination of factors. Increasing maternal age is a major contributor, as this known to be associated with an increase in complications of pregnancy and delivery. Looking at the same three decades, the percentage of all births occurring in Canada to women aged 30 and older has gone from 21.9% in 1970 to 22.0% in 1980 and 34.2% in 1990. By the year, 2000, this proportion had increased to 42%(2).

An increase in multiple gestations/births is also a contributing factor as these often result in premature labour and other complications of pregnancy and delivery. In B.C. in 1981, multiple gestations comprised 1.8% of live births. In 1990 the proportion was 1.9% and by 2003 this had increased to 2.9% of all live births in the province (see figure 7).

Part of the increase in the cesarean section rate, however, reflects the desire of some women to undergo elective cesarean section deliveries. This is a controversial development in obstetrical care as traditional medical opinion holds that it is healthier and safer for both mother and infant to undergo vaginal delivery, provided there are no complications that necessitate emergency operative interventions. A recently released statement from the College of Obstetricians and Gynecologists of Canada appears to support this view:

"The Society has always promoted natural childbirth and believes that the decision to perform a cesarean section should be based on medical indications."(3)

Sources:

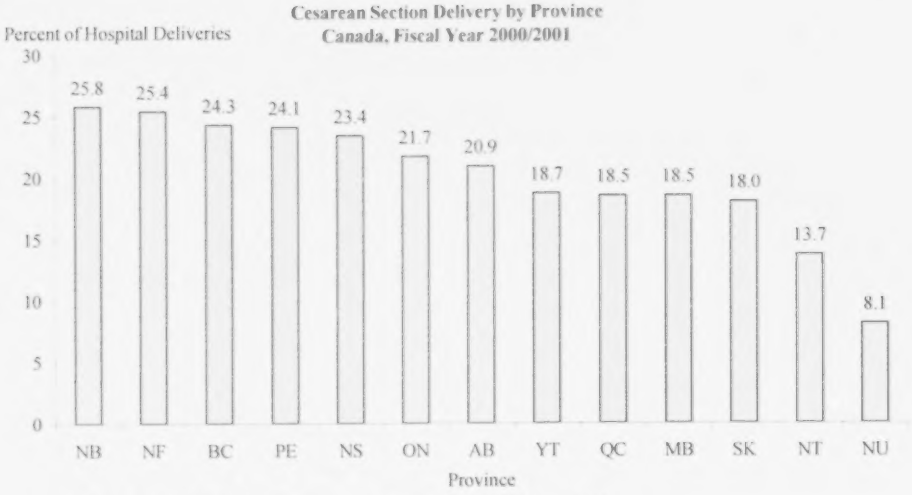
1. "More Than 1 in 5 Canadian Babies Now delivered by C-Section." release date: April 21 2004., available from http://www.cihi.ca
2. Health Canada "Perinatal Health Indicators for Canada: A Resource Manual" at http://www.hc-sc.gc.ca/pphb-dgspsp/rhs-ssg/phic-ispc/pdf/indperie.pdf
3. "Obstetrical crisis identified in CIHI report no surprise to SOGC". Media Release, Friday April 23, 2004 available from http://sogc.org.
4. Health Canada. Canadian Perinatal Health Report, 2003. Ottawa: Minister of Public Works and Government Services Canada, 2003.

(continued on page 43)

Vital Statistics Information Box

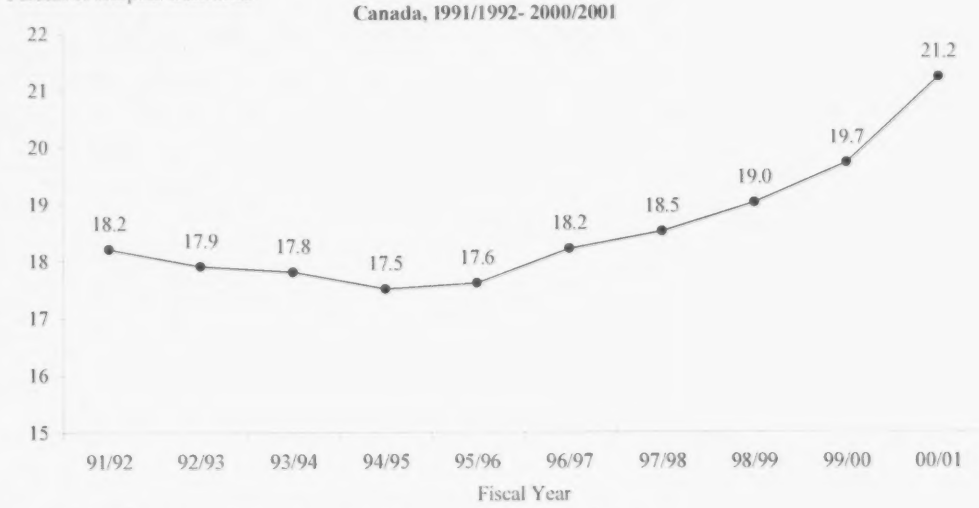
(continued from page 42)

Cesarean Section Delivery by Province
Canada, Fiscal Year 2000/2001



Note: Data extracted from Canadian Perinatal Health Report 2003.

Cesarean Section Delivery
Canada, 1991/1992- 2000/2001



Note: Data extracted from Canadian Perinatal Health Report 2003.

Table 12

LIVE BIRTHS BY LOCAL HEALTH AREA AND MODE OF DELIVERY, BRITISH COLUMBIA, 2003

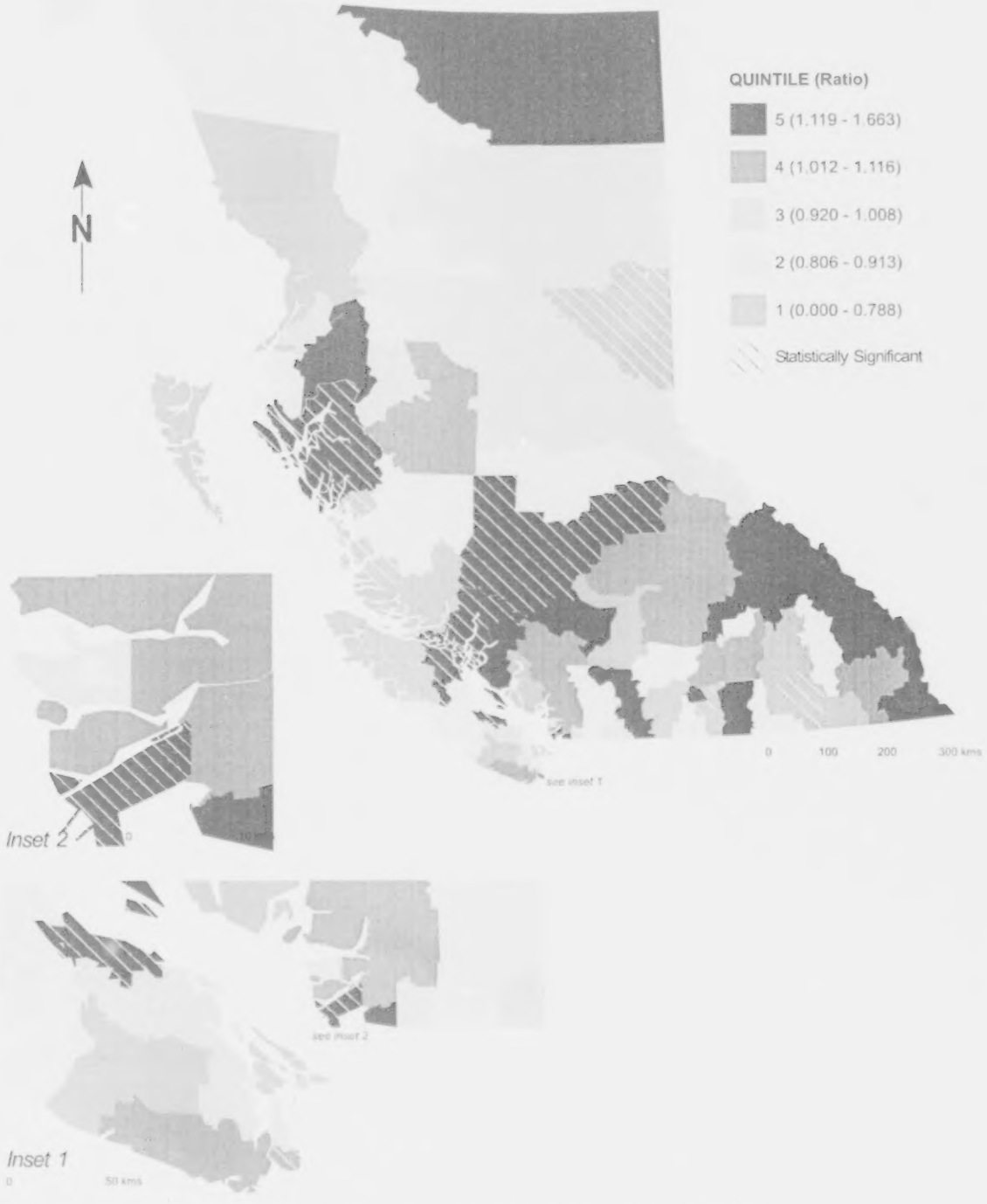
Local Health Area		Spontaneous Vertex	Cesarean					Other	N.S.	Total Live Births	
			First	Repeat	Total	Ratio	(p) Percent			Number	Rate
001	Fernie	57	34	10	44	1.36	38.3	14	-	115	7.43
002	Cranbrook	140	47	24	71	1.09	30.9	19	-	230	8.95
003	Kimberley	32	11	4	15	1.02	28.8	5	-	52	6.01
004	Windermere	38	16	5	21	1.18	33.3	4	-	63	6.65
005	Creston	97	16	10	26	0.72	20.3	5	-	128	10.07
006	Kootenay Lake	22	5	2	7	0.83	23.3	1	-	30	8.44
007	Nelson	164	28	18	46	0.75	* 21.1	8	-	218	8.85
009	Castlegar	62	8	10	18	0.75	21.2	5	-	85	6.34
010	Arrow Lakes	26	4	3	7	0.71	20.0	2	-	35	6.80
011	Trail	86	24	8	32	0.86	24.2	14	-	132	6.40
012	Grand Forks	43	9	6	15	0.87	24.6	3	-	61	6.76
013	Kettle Valley	15	6	2	8	1.13	32.0	2	-	25	6.99
014	Southern Okanagan	79	17	6	23	0.73	20.5	10	-	112	6.07
015	Penticton	183	39	17	56	0.75	* 21.1	26	-	265	6.57
016	Keremeos	33	8	3	11	0.85	23.9	2	-	46	9.45
017	Princeton	12	3	-	3	0.63	17.6	2	-	17	3.58
018	Golden	33	14	4	18	1.12	31.6	6	-	57	7.53
019	Revelstoke	41	13	12	25	1.25	35.2	5	-	71	8.48
020	Salmon Arm	137	45	34	79	1.19	33.6	19	-	235	7.35
021	Armstrong-Spallumcheen	56	11	10	21	0.94	26.6	2	-	79	7.92
022	Vernon	309	100	53	153	1.09	30.7	37	-	499	8.34
023	Central Okanagan	809	226	150	376	1.02	28.8	122	-	1,307	8.24
024	Kamloops	569	170	98	268	1.07	30.2	49	-	886	8.66
025	100 Mile House	61	16	13	29	1.03	29.0	10	-	100	6.96
026	North Thompson	23	9	2	11	1.05	29.7	3	-	37	7.36
027	Cariboo-Chilcotin	164	65	49	114	1.35	* 38.1	21	-	299	10.60
028	Quesnel	144	32	22	54	0.85	24.1	26	-	224	8.93
029	Lillooet	35	10	11	21	1.26	35.6	3	-	59	12.73
030	South Cariboo	38	6	5	11	0.75	21.2	3	-	52	6.77
031	Merritt	73	13	13	26	0.86	24.3	8	-	107	9.50
032	Hope	50	20	6	26	1.14	32.1	5	-	81	9.49
033	Chilliwack	552	135	94	229	0.94	26.6	81	-	862	11.67
034	Abbotsford	1,057	275	162	437	0.91	* 25.8	202	-	1,696	13.24
035	Langley	752	216	119	335	0.97	27.4	135	-	1,222	10.49
037	Delta	562	207	131	338	1.15	* 32.4	143	-	1,043	10.32
038	Richmond	859	247	178	425	1.03	28.9	185	-	1,469	8.43
040	New Westminster	402	115	42	157	0.87	24.5	82	-	641	10.79
041	Burnaby	1,226	393	210	603	1.02	28.7	271	-	2,100	10.23
042	Maple Ridge	524	172	90	262	1.04	29.4	104	-	890	10.14
043	Coquitlam	1,192	384	229	613	1.05	29.7	259	-	2,064	9.88
044	North Vancouver	775	255	141	396	1.08	30.6	124	-	1,295	9.55
045	West Vancouver-Bowen Is.	186	62	41	103	1.12	31.5	38	-	327	6.54
046	Sunshine Coast	120	22	15	37	0.75	21.1	18	-	175	6.47
047	Powell River	81	23	19	42	1.12	31.6	10	-	133	6.63
048	Howe Sound	212	81	33	114	1.10	31.0	42	-	368	12.05
049	Bella Coola Valley	35	6	7	13	0.89	25.0	4	-	52	15.65
050	Queen Charlotte	45	9	5	14	0.79	22.2	4	-	63	12.38
051	Snow Country	6	1	-	1	0.51	14.3	-	-	7	8.89
052	Prince Rupert	129	30	24	54	0.91	25.6	28	-	211	12.88
053	Upper Skeena	53	12	7	19	0.89	25.0	4	-	76	13.49
054	Smithers	140	37	25	62	1.01	28.4	16	-	218	12.48
055	Burns Lake	49	12	14	26	1.10	31.0	9	-	84	10.99
056	Nechako	144	38	24	62	0.99	27.9	16	-	222	13.02
057	Prince George	681	183	101	284	0.98	27.7	61	-	1,026	10.30
059	Peace River South	190	26	18	44	0.59	* 16.5	32	-	266	9.94
060	Peace River North	344	94	47	141	0.98	27.6	25	-	510	16.59
061	Greater Victoria	1,108	391	160	551	1.10	* 31.1	110	-	1,769	8.47
062	Sooke	339	118	44	162	1.07	30.3	34	-	535	9.62
063	Saanich	275	80	37	117	0.98	27.5	33	-	425	6.93
064	Gulf Islands	65	11	6	17	0.72	20.2	2	-	84	5.87
065	Cowichan	306	73	51	124	0.96	27.0	29	-	459	8.69
066	Lake Cowichan	21	3	2	5	0.66	18.5	1	-	27	4.33
067	Ladysmith	84	25	11	36	0.98	27.7	10	-	130	7.85
068	Nanaimo	526	129	99	228	0.98	27.7	68	-	822	8.73
069	Qualicum	145	55	29	84	1.25	* 35.3	9	-	238	5.84
070	Alberni	192	39	24	63	0.81	22.7	22	-	277	8.81
071	Courtenay	309	68	43	111	0.87	24.5	33	-	453	7.74
072	Campbell River	221	81	49	130	1.20	* 33.9	32	-	383	9.73
075	Mission	291	71	36	107	0.87	24.4	40	-	438	11.65
076	Agassiz-Harrison	56	14	6	20	0.83	23.5	9	-	85	10.29
077	Summerland	46	18	8	26	1.17	32.9	7	-	79	6.80
078	Enderby	31	5	7	12	0.85	24.0	7	-	50	6.86
080	Kitimat	37	25	13	38	1.66	* 46.9	6	-	81	7.03
081	Fort Nelson	52	19	15	34	1.15	32.4	19	-	105	17.00
083	Central Coast	23	1	1	2	0.24	+ 6.7	5	-	30	17.83
084	Vancouver Island West	21	4	-	4	0.49	13.8	4	-	29	12.28
085	Vancouver Island North	111	19	12	31	0.74	20.9	6	-	148	10.81
087	Stikine	3	-	1	1	0.89	25.0	-	-	4	3.27
088	Terrace	137	45	38	83	1.15	32.4	36	-	256	11.67
092	Nisga'a	17	3	4	7	0.99	28.0	1	-	25	13.72
094	Telegraph Creek	8	-	-	-	-	-	-	-	8	12.82
161	Vancouver City Centre	426	156	50	206	0.94	26.6	142	-	774	7.97
162	Vancouver Downtown E. Side	288	101	29	130	0.99	28.0	46	-	464	8.98
163	Vancouver North East	669	183	103	286	0.92	26.0	147	-	1,102	11.31
164	Vancouver West Side	670	223	93	316	0.98	27.7	155	-	1,141	9.42
165	Vancouver Midtown	601	171	74	245	0.88	* 24.8	141	-	987	11.39
166	Vancouver South	757	226	108	334	0.93	26.3	178	-	1,269	10.23
201	Surrey	2,482	773	476	1,249	1.01	28.5	645	-	4,376	13.22
202	South Surrey/White Rock	286	86	72	158	1.13	31.9	51	-	495	6.26
	PROVINCIAL TOTAL	**24,556**	**7,280**	**4,087**	**11,367**	**1.00**	**28.2**	**4,362**	**-**	**40,285**	**9.72**

Notes for this table follow highlight notes.

FIGURE 30

CESAREAN DELIVERIES OF LIVE BORN INFANTS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003



Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 12/FIGURE 30

- There were 11,367 cesarean deliveries of live born babies in 2003, and 24,556 spontaneous vertex deliveries. The 2003 cesarean section rate was 282.16 per 1,000 live births.
- The cesarean ratio is the number of c-section births in the area, compared to the number that would be expected based on the provincial rate and the number of live births in the area. The six Local Health Areas (LHAs) with cesarean ratios that were statistically significant and high in 2003 (with the number of cesarean deliveries in parentheses) were:

080	Kitimat	(38)	1.66
027	Cariboo-Chilcotin	(114)	1.35
069	Qualicum	(84)	1.25
072	Campbell River	(130)	1.20
037	Delta	(338)	1.15
061	Greater Victoria	(551)	1.10

- There were five LHAs with cesarean ratios that were statistically significant and low in 2003 based on at least five births (with the number of cesarean deliveries in parentheses). These were:

059	Peace River South	(44)	0.59
007	Nelson	(46)	0.75
015	Penticton	(56)	0.75
165	Vancouver Midtown	(245)	0.88
034	Abbotsford	(437)	0.91

- The 2003 provincial live birth rate was 9.72 live births per 1,000 population. The five LHAs with the highest live birth rates in 2003 (number of births in parentheses) were:

083	Central Coast	(30)	17.83
081	Fort Nelson	(105)	17.00
060	Peace River North	(510)	16.59
049	Bella Coola Valley	(52)	15.65
092	Nisga'a	(25)	13.72

- The LHA with the lowest birth rate in 2003 was 087 Stikine with 3.27 live births per 1,000 population, but this rate is not considered reliable since it is based on only four births. The five LHAs with the lowest live birth rates in 2003 based on at least five births (number of births in parentheses) were:

017	Princeton	(17)	3.58
066	Lake Cowichan	(27)	4.33
069	Qualicum	(238)	5.84
064	Gulf Islands	(84)	5.87
003	Kimberley	(52)	6.01

Notes for Table 12

Note: Ratio = observed over the expected cesareans in the specified area. Percent based upon live births in the specified area. Rate per 1,000 population in the specified area. *Statistical testing indicates that observed cesarean births are significantly different from the expected ($p<0.05$, two tailed). +Denotes significance based on less than five births. Other is comprised of spontaneous vertex, spontaneous breech, forceps, and vacuum. Non-residents are excluded.

TABLE 13

LIVE BIRTHS BY BIRTH WEIGHT, GENDER, AND GESTATIONAL AGE

BRITISH COLUMBIA, 2003

Birth Weight (in Grams)	Gender		Gestational Age (in Weeks)						Total
	Male	Female	<20	20–27	28–36	37–41	42+	N.S.	
<500	24	20	5	36	2	3	-	-	46
500-749	32	26	-	55	3	-	-	-	58
750-999	30	46	-	51	25	-	-	-	76
1,000-1,249	37	39	-	21	54	-	-	1	76
1,250-1,499	53	47	-	3	95	2	-	-	100
1,500-1,749	57	73	-	-	126	4	-	-	130
1,750-1,999	113	135	-	-	225	23	-	-	248
2,000-2,249	206	244	-	-	353	97	-	-	450
2,250-2,499	443	502	-	-	475	469	1	-	945
2,500-2,749	818	1,077	-	-	506	1,383	5	1	1,895
2,750-2,999	1,714	2,047	-	-	427	3,328	5	1	3,761
3,000-3,249	2,916	3,430	-	-	229	6,087	27	3	6,346
3,250-3,499	3,781	4,039	-	-	113	7,665	40	2	7,820
3,500-3,749	3,976	3,437	-	-	55	7,287	69	2	7,413
3,750-3,999	2,996	2,379	-	-	12	5,299	63	1	5,375
4,000-4,249	1,911	1,234	-	-	6	3,088	50	1	3,145
4,250-4,499	908	555	-	-	3	1,423	37	-	1,463
4,500-4,749	402	192	-	-	2	576	16	-	594
4,750-4,999	133	64	-	-	-	188	9	-	197
5,000-5,249	47	23	-	-	-	68	2	-	70
5,250-5,499	14	4	-	-	-	17	1	-	18
5,500+	12	5	-	-	-	16	1	-	17
N.S.	24	18	1	2	4	8	-	27	42
TOTAL	**20,647**	**19,636**	**6**	**168**	**2,715**	**37,031**	**326**	**39**	**40,285**

Note: Non-residents are excluded.
N.S. – Not stated.

HIGHLIGHTS TO TABLE 13

- There were 20,647 males (51.3%) and 19,636 females (48.7%) born in 2003. The average weight for a live born baby was 3,418 grams, 3,476 grams for males and 3,358 grams for females.
- In 2003, almost nine out of ten live births (35,560) were delivered at term (from 37 to 41 weeks gestation) with normal birth weight (2,500 to 4,499 grams). These babies with "healthy" gestational ages and birth weights accounted for 88.3% of live births in 2003.
- There were 2,129 live births with low birth weight (less than 2,500 grams) and 2,889 pre-term (less than 37 weeks gestation) live births in 2003. A total of 1,529 babies (3.8%) were both pre-term and low birth weight; out of this group, approximately one in nine (171 births) had very low birth weight (less than 1,500 grams) and was extremely premature (less than 28 weeks gestation).
- Post-term (42 or more weeks of gestation) deliveries occurred in 326 births in 2003. There were 896 births with high birth weight (4,500 grams or more), 29 of which were also post-term.
- Out of 1,000 live births in 2003, approximately:

by birth weight

- 53 were low birth weight (2,129 births), of which:
  - 1 had birth weight less than 500 grams (46)
  - 8 had birth weight from 500 to 1,499 grams (310)
- 924 were normal birth weight (37,218)
- 22 were high birth weight (896)
- 1 did not include birth weight (42)

by gestational age

- 72 were pre-term (2,889 births), of which:
  - 4 were extremely premature (less than 28 weeks) (174)
- 919 were term (37,031)
- 8 were post-term (326)
- 1 did not include gestational age (39)

TABLE 14
LIVE BIRTHS BY BIRTH WEIGHT AND AGE OF MOTHER
BRITISH COLUMBIA, 2003

Birth Weight (in Grams)	Age of Mother (in Years)									Total
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.	
<500	-	2	11	8	14	7	4	-	-	46
500-749	-	3	16	14	11	11	3	-	-	58
750-999	-	1	9	22	24	16	4	-	-	76
1,000-1,249	-	1	16	17	19	16	7	-	-	76
1,250-1,499	-	3	20	22	28	22	4	1	-	100
1,500-1,749	-	9	20	27	34	32	8	-	-	130
1,750-1,999	-	11	31	75	74	47	7	3	-	248
2,000-2,249	-	18	72	113	137	92	17	1	-	450
2,250-2,499	-	34	181	253	292	145	37	3	-	945
2,500-2,749	1	86	306	459	621	328	89	5	-	1,895
2,750-2,999	1	132	588	1,075	1,180	652	123	10	-	3,761
3,000-3,249	4	218	923	1,789	2,119	1,075	210	8	-	6,346
3,250-3,499	1	310	1,155	2,230	2,564	1,300	253	7	-	7,820
3,500-3,749	-	277	1,108	2,034	2,506	1,242	236	10	-	7,413
3,750-3,999	1	186	803	1,555	1,805	858	159	8	-	5,375
4,000-4,249	-	96	427	905	1,091	528	93	5	-	3,145
4,250-4,499	-	53	222	411	477	248	49	3	-	1,463
4,500-4,749	-	16	98	151	201	101	25	2	-	594
4,750-4,999	-	7	25	61	72	27	5	-	-	197
5,000-5,249	-	3	7	19	22	17	2	-	-	70
5,250-5,499	-	1	4	3	7	2	1	-	-	18
5,500+	-	-	1	5	5	6	-	-	-	17
N.S.	-	-	8	10	11	8	5	-	-	42
TOTAL	**8**	**1,467**	**6,051**	**11,258**	**13,314**	**6,780**	**1,341**	**66**	**-**	**40,285**

Note: Non-residents are excluded.
N.S. – Not stated.

HIGHLIGHTS TO TABLE 14

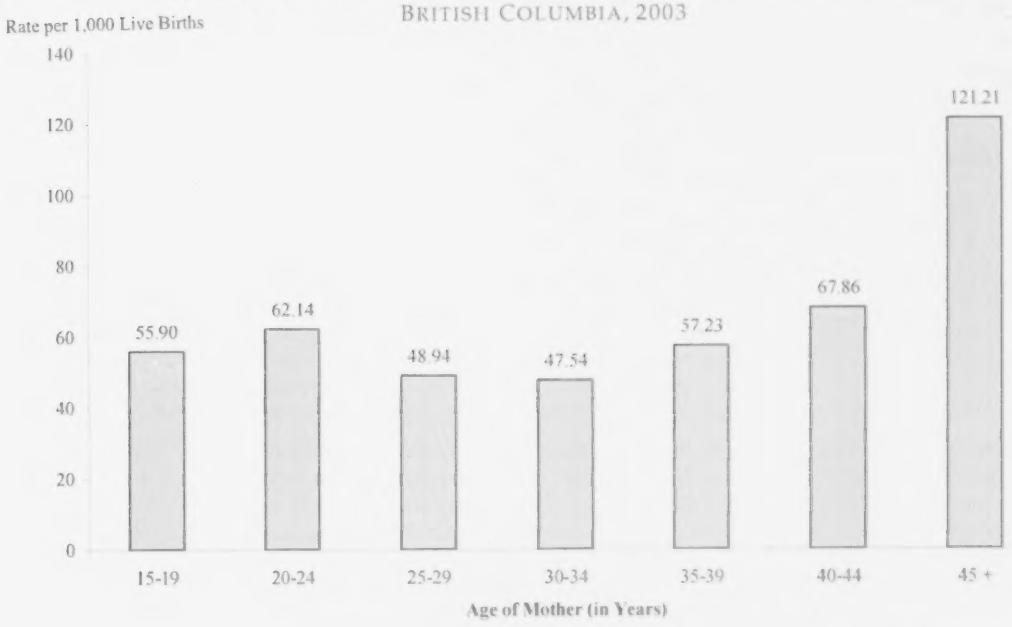
- There were 37,218 live births with healthy birth weights (2,500 to 4,499 grams) in 2003. Out of every 100 of these births, approximately:
  - 4 were births to teenage mothers (1,366)
  - 43 were births to mothers aged 20 to 29 years (15,990)
  - 50 were births to mothers aged 30 to 39 years (18,594)
  - 3 were births to mothers 40 years of age or older (1,268)
- There were 2,129 live births with low birth weight (less than 2,500 grams) in 2003. Out of every 100 of these births, approximately
  - 4 were births to teenage mothers (82)
  - 44 were births to mothers aged 20 to 29 years (927)
  - 48 were births to mothers aged 30 to 39 years (1,021)
  - 5 were births to mothers 40 years of age or older (99)
- There were 896 live births with high birth weight (4,500 grams or over) in 2003. Out of every 100 of these births, approximately
  - 3 were births to teenage mothers (27)
  - 42 were births to mothers aged 20 to 29 years (374)
  - 51 were births to mothers aged 30 to 39 years (460)
  - 4 were births to mothers 40 years of age or older (35)
- Nine out of ten (92.5%) births to mothers in the four maternal age groups from 20-24 to 35-39 had "healthy" birth weights. One in 19 births in these age groups (5.2%) had low birth weight and one in 45 (2.2%) had high birth weight.
- Of live births to teenage mothers (less than 20 years of age), 92.6% had healthy birth weights, 5.6% had low and 1.8% had high birth weights. For mothers in the 40 or older age group, 90.1% of live births had healthy birth weights, 7.0% had low and 2.5% had high birth weights.

TABLE 15
LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER AND GENDER
BRITISH COLUMBIA, 2003

Age of Mother	Male		Female		Total		
	Number	Percent	Number	Percent	Number	Percent	Rate
< 15	-	-	-	-	-	-	-
15-19	46	4.6	36	3.2	82	3.9	55.90
20-24	167	16.8	209	18.5	376	17.7	62.14
25-29	275	27.6	275	24.3	551	25.9	48.94
30-34	279	28.0	353	31.2	633	29.7	47.54
35-39	179	18.0	209	18.5	388	18.2	57.23
40-44	45	4.5	46	4.1	91	4.3	67.86
45 +	4	0.4	4	0.4	8	0.4	121.21
N.S.	-	-	-	-	-	-	-
TOTAL	**995**	**100.0**	**1,132**	**100.0**	**2,129**	**100.0**	**52.85**

Note: Rate per 1,000 live births for the specified age group.
Low birth weight: birth weight less than 2,500 grams.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded. N.S. – Not stated.

FIGURE 31
LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER
BRITISH COLUMBIA, 2003



HIGHLIGHTS TO TABLE 15/FIGURE 31

- In 2003, there were 2,129 live births with low birth weight (less than 2,500 grams). The provincial low birth weight (LBW) live birth rate was 52.85 per 1,000 live births.
- Among live births in 2003, 4.8% of the 20,647 male births had low birth weight (995) and 5.8% of the 19,636 female births had low birth weight (1,132).
- Of the low birth weight live births, 53.2% were females.
- Mothers aged 30-34 and those aged 25-29 had the lowest LBW rates (47.54 and 48.94 per 1,000 live births respectively). The next lowest LBW rates were for teenage mothers (aged 15-19) and mothers aged 35-39 (with LBW rates of 55.90 and 57.23). Mothers aged 20-24 had a low birth weight rate of 62.14. The oldest maternal age groups had the highest LBW rates (67.86 for mothers aged 40-44 and 121.21 for mothers aged 45+).

Table 16

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA AND GESTATIONAL AGE, BRITISH COLUMBIA, 1998–2002 AND 2003

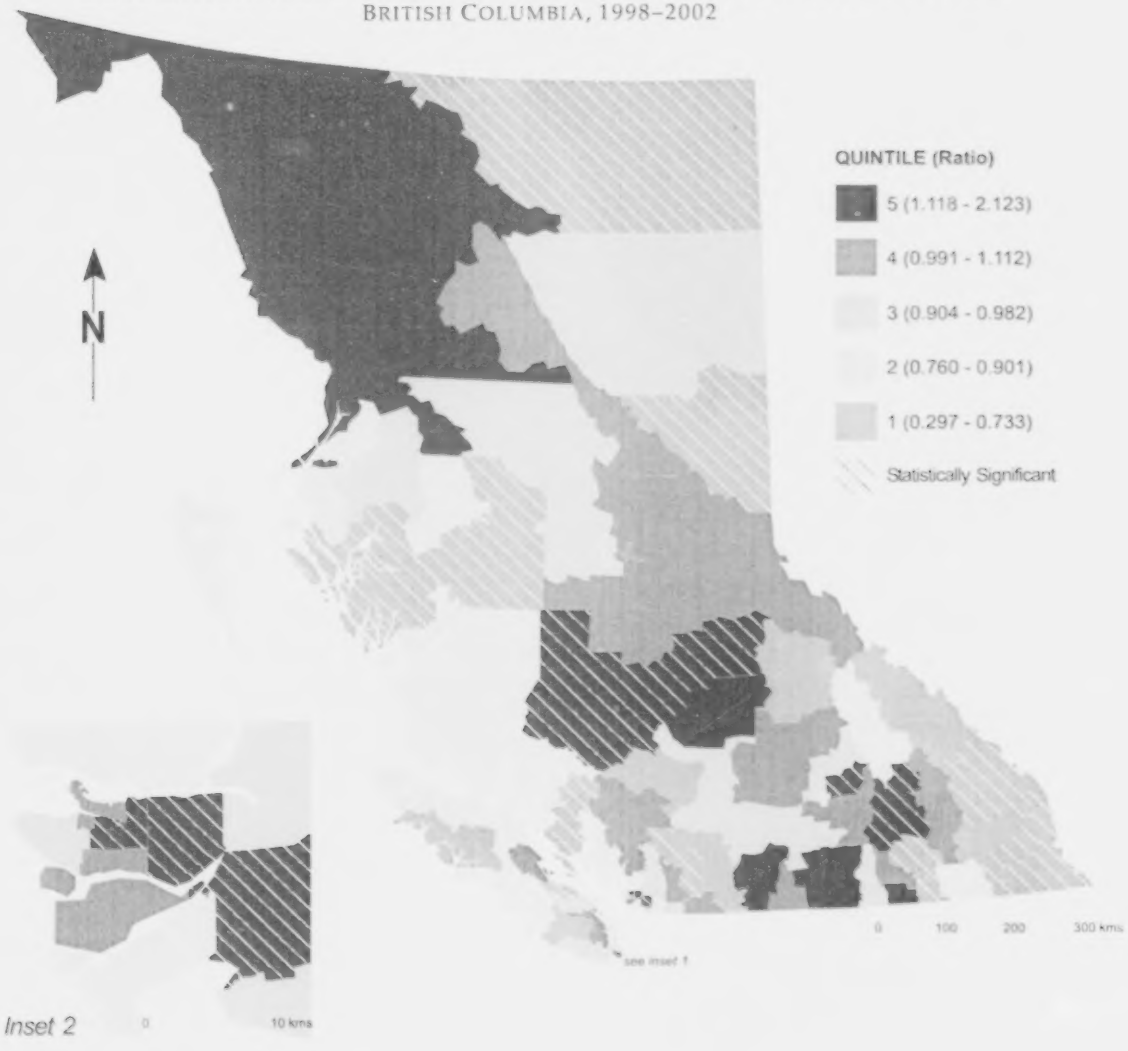
Local Health Area		1998–2002 Low Birth Weight Live Births				2003 Gestational Age (in Weeks)					
		Observed	Ratio	(p)	Rate	<37	37–41	42+	N.S.	Total	Rate
001	Fernie	19	0.58	*	29.14	2	2	-	-	4	34.78
002	Cranbrook	41	0.70	*	35.16	3	2	-	-	5	21.74
003	Kimberley	11	0.72		36.07	3	2	-	-	5	96.15
004	Windermere	9	0.53	*	26.32	1	1	-	-	2	31.75
005	Creston	27	0.82		41.03	4	-	-	-	4	31.25
006	Kootenay Lake	10	1.10		55.25	2	1	-	-	3	100.00
007	Nelson	37	0.69	*	34.32	9	3	-	-	12	55.05
009	Castlegar	29	1.06		53.11	2	-	-	-	2	23.53
010	Arrow Lakes	20	1.78	*	89.29	-	1	-	-	1	28.57
011	Trail	47	1.21		60.65	4	4	-	-	8	60.61
012	Grand Forks	15	0.93		46.44	-	1	-	-	1	16.39
013	Kettle Valley	10	1.46		72.99	-	-	-	-	-	-
014	Southern Okanagan	39	1.13		56.52	2	2	-	-	4	35.71
015	Penticton	96	1.21		60.84	8	2	-	-	10	37.74
016	Keremeos	11	1.01		50.69	2	-	-	-	2	43.48
017	Princeton	11	1.43		71.43	-	-	-	-	-	-
018	Golden	12	0.65		32.70	-	-	-	-	-	-
019	Revelstoke	17	0.84		41.98	1	5	-	-	6	84.51
020	Salmon Arm	54	0.94		47.12	10	3	-	-	13	55.32
021	Armstrong-Spallumcheen	15	0.77		38.66	3	-	-	-	3	37.97
022	Vernon	136	1.02		51.24	34	11	-	-	45	90.18
023	Central Okanagan	324	0.96		47.96	50	13	-	-	63	48.20
024	Kamloops	256	1.11		55.71	39	12	-	-	51	57.56
025	100 Mile House	41	1.36		68.22	3	3	-	-	6	60.00
026	North Thompson	7	0.55		27.34	-	2	-	-	2	54.05
027	Cariboo-Chilcotin	107	1.29	*	64.54	12	7	-	-	19	63.55
028	Quesnel	67	1.02		51.07	11	1	-	-	12	53.57
029	Lillooet	9	0.59		29.61	2	-	-	-	2	33.90
030	South Cariboo	15	0.97		48.54	1	-	-	-	1	19.23
031	Merritt	28	0.98		49.21	6	2	-	-	8	74.77
032	Hope	14	0.72		36.27	2	-	-	-	2	24.69
033	Chilliwack	199	0.99		49.65	16	11	-	-	27	31.32
034	Abbotsford	369	0.93		46.61	53	28	-	-	81	47.76
035	Langley	264	0.85	*	42.53	40	14	-	-	54	44.19
037	Delta	230	0.90		45.02	34	15	-	-	49	46.98
038	Richmond	398	1.00		50.09	65	19	-	-	84	57.18
040	New Westminster	190	1.18	*	59.28	28	8	-	-	36	56.16
041	Burnaby	572	1.12	*	56.00	93	29	1	-	123	58.57
042	Maple Ridge	213	0.98		49.11	32	16	-	-	48	53.93
043	Coquitlam	510	0.95		47.59	94	23	-	-	117	56.69
044	North Vancouver	263	0.80	*	40.28	42	18	-	-	60	46.33
045	West Vancouver-Bowen Is.	64	0.85		42.47	17	5	-	-	22	67.28
046	Sunshine Coast	44	0.86		43.18	1	1	-	-	2	11.43
047	Powell River	22	0.54	*	26.89	3	3	-	-	6	45.11
048	Howe Sound	103	1.03		51.71	12	6	-	-	18	48.91
049	Bella Coola Valley	10	0.81		40.82	1	1	-	-	2	38.46
050	Queen Charlotte	14	0.81		40.70	1	-	-	-	1	15.87
051	Snow Country	3	1.15		57.69	-	-	-	-	-	-
052	Prince Rupert	43	0.78		39.06	8	-	-	-	8	37.91
053	Upper Skeena	22	1.13		56.41	2	2	-	-	4	52.63
054	Smithers	55	0.89		44.61	6	3	-	-	9	41.28
055	Burns Lake	7	0.30	*	14.86	-	1	-	-	1	11.90
056	Nechako	60	0.97		48.78	7	-	-	-	7	31.53
057	Prince George	288	1.02		51.13	40	12	-	1	53	51.66
059	Peace River South	56	0.73	*	36.72	3	3	-	-	6	22.56
060	Peace River North	110	0.93		46.41	14	3	-	-	17	33.33
061	Greater Victoria	445	1.03		51.80	74	30	-	-	104	58.79
062	Sooke	138	0.97		48.64	27	3	-	-	30	56.07
063	Saanich	95	0.95		47.60	24	4	-	-	28	65.88
064	Gulf Islands	18	0.77		38.79	3	-	-	-	3	35.71
065	Cowichan	126	0.99		49.68	18	5	-	-	23	50.11
066	Lake Cowichan	8	0.62		31.13	-	1	-	-	1	37.04
067	Ladysmith	39	1.08		54.17	8	-	-	-	8	61.54
068	Nanaimo	193	0.96		47.87	26	13	-	-	39	47.45
069	Qualicum	39	0.64	*	31.84	8	6	-	-	14	58.82
070	Alberni	58	0.76	*	38.08	7	3	-	-	10	36.10
071	Courtenay	133	1.08		54.20	27	5	-	-	32	70.64
072	Campbell River	82	0.84		41.92	19	10	-	-	29	75.72
075	Mission	108	1.01		50.54	17	6	-	-	23	52.51
076	Agassiz-Harrison	10	0.49	*	24.63	7	-	-	-	7	82.35
077	Summerland	18	0.95		47.49	3	1	-	-	4	50.63
078	Enderby	26	1.56	*	78.31	3	2	-	-	5	100.00
080	Kitimat	21	0.65	*	32.66	2	1	-	-	3	37.04
081	Fort Nelson	13	0.57	*	28.57	3	1	-	-	4	38.10
083	Central Coast	5	0.84		42.02	1	-	-	-	1	33.33
084	Vancouver Island West	7	0.72		36.27	2	-	-	-	2	68.97
085	Vancouver Island North	37	0.84		42.14	8	1	-	-	9	60.81
087	Stikine	3	1.27		63.83	-	-	-	-	-	-
088	Terrace	65	0.90		45.30	6	4	-	-	10	39.06
092	Nisga'a	7	0.90		45.16	1	-	-	-	1	40.00
094	Telegraph Creek	5	2.12		106.38	1	-	-	-	1	125.00
161	Vancouver City Centre	182	1.02		51.07	24	14	-	-	38	49.10
162	Vancouver Downtown E. Side	124	1.08		54.08	26	4	-	-	30	64.66
163	Vancouver North East	330	1.15	*	57.78	44	20	-	-	64	58.08
164	Vancouver West Side	234	0.92		46.06	47	17	-	-	64	56.09
165	Vancouver Midtown	303	1.14	*	57.34	39	19	-	-	58	58.76
166	Vancouver South	349	1.10		54.93	56	32	-	-	88	69.35
201	Surrey	1,316	1.19	*	59.70	155	92	-	-	247	56.44
202	South Surrey/White Rock	110	0.92		46.24	12	3	-	-	15	30.30
	PROVINCIAL TOTAL	**10,291**	**1.00**		**50.10**	**1,529**	**598**	**1**	**1**	**2,129**	**52.85**

Note: Low Birth Weight – birth weight less than 2,500 grams. Ratio – observed over the expected low birth weight live births. * Statistical testing indicates that observed low birth weight live births are significantly different from the expected ($p<0.05$, two tailed). Rate per 1,000 live births in the specified area. Non-residents are excluded.

FIGURE 32

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998–2002



Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 16/FIGURE 32

- The provincial low birth weight (LBW) (less than 2,500 grams) live birth rate for 2003 was 52.85 per 1,000 live births, higher than the 1998-2002 LBW rate (50.10).
- The five Local Health Areas (LHAs) with the highest LBW rates based on at least five births in 2003 (number of births in parentheses) were:

078	Enderby	(5)	100.00
003	Kimberley	(5)	96.15
022	Vernon	(45)	90.18
019	Revelstoke	(6)	84.51
076	Agassiz-Harrison	(7)	82.35

- The five LHAs with lowest LBW rates based on at least five births in 2003 (number of births in parentheses) were:

002	Cranbrook	(5)	21.74
059	Peace River South	(6)	22.56
202	South Surrey/White Rock	(15)	30.30
033	Chilliwack	(27)	31.32
056	Nechako	(7)	31.53

- In 2003, 013 Kettle Valley, 017 Princeton, 018 Golden, 051 Snow Country, and 087 Stikine did not have any low birth weight births, and there were 28 other LHAs with less than five LBW live births.
- There were eight LHAs with low birth weight ratios for the period 1998-2002 that were statistically significant and high (number of births and LBW rate per 1,000 live births in parentheses). The five highest (number of births and LBW rate per 1,000 live births in parentheses) were:

010	Arrow Lakes	(20)	1.78	(89.29)
078	Enderby	(26)	1.56	(78.31)
027	Cariboo-Chilcotin	(107)	1.29	(64.54)
201	Surrey	(1,316)	1.19	(59.70)
040	New Westminster	(190)	1.18	(59.28)

- There were 14 LHAs with low birth weight ratios for the period 1998-2002 that were statistically significant and low, based on at least five births. The five lowest (number of births and LBW rate per 1,000 live births in parentheses) were:

055	Burns Lake	(7)	0.30	(14.86)
076	Agassiz-Harrison	(10)	0.49	(24.63)
004	Windermere	(9)	0.53	(26.32)
047	Powell River	(22)	0.54	(26.89)
081	Fort Nelson	(13)	0.57	(28.57)

HIGHLIGHTS TO TABLE 17

Some maternal complication categories are different from those used previously, so readers should avoid comparisons with tables in earlier publications.

- Maternal complications of pregnancy and delivery were noted in 20,725 live births in 2003. Included in these maternal complications are early labour (preterm) births, multiple births, assisted or surgical deliveries where no cause was given, and elderly primigravida (first births to women aged 35 or older). Just over half (51.4%) of all live births in 2003 involved maternal complications. Maternal complications were noted in 49.6% of live births in 1998-2002.
- The percentage of live births with maternal complications of pregnancy and delivery increased with the age of mother. Teenage mothers had maternal complications in 44.2% of their births. In the age groups 20-29 and 30-39, maternal complications occurred in 47.1% and 54.8% of live births, respectively. For mothers aged 40 or older, the proportion rose to almost two thirds (64.1%).
- The largest categories of maternal complications of pregnancy and delivery in 2003 were assisted or surgical deliveries where no cause was given (22.2%) and maternal abnormality of pelvic organs (15.4%). These complications combined accounted for more than a third (37.6%) of all maternal complications in 2003 and almost a third (32.6%) of the maternal complications in 1998-2002.

TABLE 17
MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY AGE OF MOTHER
BRITISH COLUMBIA, 1998–2002 AND 2003

Maternal Complications	ICD-10 Code	1998–2008		2003						
				Age of Mother (in Years)						
		Total	Percent	<20	20–29	30–39	40+	N.S.	Total	Percent
Hypertension/hypertensive disorders in pregnancy	O10-O11, O13, 016	2,790	2.0	24	211	250	33	-	518	1.9
Edema and proteinuria without hypertension	O12	28	-	1	5	3	-	-	9	0.0
Pre-eclampsia/eclampsia	O14-O15	887	0.6	3	75	70	11	-	159	0.6
Hemorrhage in early pregnancy	O20	12	-	-	-	1	-	-	1	0.0
Hyperemesis gravidarum	O21	80	0.1	-	8	3	-	-	11	0.0
Other maternal disorders predominantly related to pregnancy	O22-O23, O25-O29, F179	1,843	1.3	14	186	139	7	-	346	1.2
Diabetes in pregnancy	O24	2,736	2.0	3	129	311	42	-	485	1.7
Multiple gestation and related complications	O30-O31	5,197	3.7	37	382	672	60	-	1,151	4.1
Fetal malpresentation	O32	7,813	5.6	48	512	701	60	-	1,321	4.7
Disproportion	O33	2,656	1.9	3	30	51	4	-	88	0.3
Maternal abnormality of pelvic organs	O34	18,656	13.4	30	1,239	2,749	256	-	4,274	15.4
Disorders of amniotic fluid and membranes	O40-O42	3,863	2.8	31	314	364	42	-	751	2.7
Placental disorders	O43-O45, O73	2,507	1.8	10	147	245	24	-	426	1.5
Antepartum/Intrapartum hemorrhage	O46, O67	418	0.3	2	28	38	1	-	69	0.2
Prolonged pregnancy	O48	2,640	1.9	17	142	154	9	-	322	1.2
Preterm labour and delivery	O60	8,736	6.3	91	699	691	51	-	1,532	5.5
Abnormalities of forces of labour	O62-O63	6,829	4.9	51	506	544	28	-	1,129	4.1
Obstructed labour	O64-O66	9,865	7.1	87	1033	1164	72	-	2,356	8.5
Evidence of fetal distress	O68	9,308	6.7	92	689	771	57	-	1,609	5.8
Cord complications	O69	2,671	1.9	19	233	254	18	-	524	1.9
Obstetrical trauma	O71-O71	1,407	1.0	8	161	159	6	-	334	1.2
Postpartum hemorrhage	O72	2,380	1.7	22	171	188	8	-	389	1.4
Assisted or surgical delivery - no cause given[1]	O81-O82	26,757	19.2	187	2,615	3,119	256	-	6,177	22.2
Maternal and puerperal infections	O85-O86, O98, A34	259	0.2	2	10	8	-	-	20	0.1
Other puerperal complications	O87-O92	58	-	-	3	5	2	-	10	0.0
Maternal noninfectious diseases complicating the pregnant state	O99, O354	1,583	1.1	11	135	208	27	-	381	1.4
Elderly primigravida	Z355	6,196	4.4	-	-	1,166	175	-	1,341	4.8
Maternal drug use	O355	289	0.2	9	58	15	-	-	82	0.3
Other maternal complications	O00-O08, O350-O353, O356	11,115	8.0	81	845	1,014	80	-	2,020	7.3
Total maternal complications		**139,579**	**100.0**	**883**	**10,566**	**15,057**	**1,329**	**-**	**27,835**	**100.0**
Live births with the above	**- Number**	**101,836**		**652**	**8,154**	**11,017**	**902**	**-**	**20,725**	
maternal complications	**- Percent(*)**	**49.6**		**44.2**	**47.1**	**54.8**	**64.1**	**51.4**		

Note: Percent based upon total maternal complications. Percent (*) based upon live births for the specified maternal age group.
[1]Where no other complication code is found. Some maternal complication categories are different from those in previous publications. Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

Table 18

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1998–2002 AND 2003

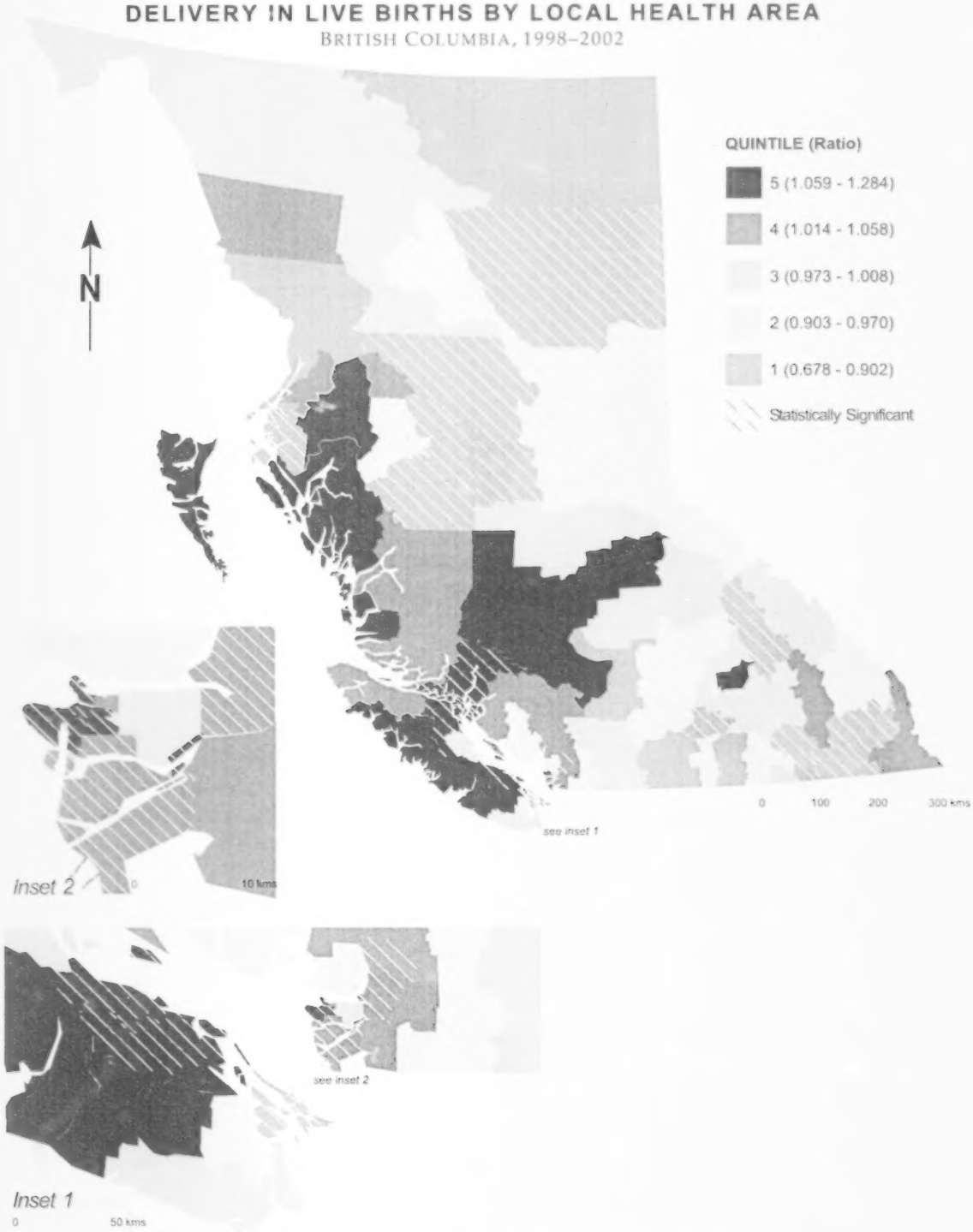
Local Health Area		1998–2002					2003				
		Observed Births	Ratio (p)		Percent	Total Live Births	Observed Births	Expected Births	Ratio (p)	Percent	Total Live Births
001	Fernie	335	1.04		51.4	652	75	59.2	1.27 *	65.2	115
002	Cranbrook	392	0.68	*	33.6	1,166	104	118.3	0.88	45.2	230
003	Kimberley	117	0.77	*	38.4	305	24	26.8	0.90	46.2	52
004	Windermere	158	0.93		46.2	342	30	32.4	0.93	47.6	63
005	Creston	273	0.84	*	41.5	658	45	65.9	0.68 *	35.2	128
006	Kootenay Lake	91	1.01		50.3	181	12	15.4	0.78	40.0	30
007	Nelson	439	0.82	*	40.7	1,078	80	112.2	0.71 *	36.7	218
009	Castlegar	245	0.91		44.9	546	34	43.7	0.78	40.0	85
010	Arrow Lakes	112	1.01		50.0	224	15	18.0	0.83	42.9	35
011	Trail	379	0.99		48.9	775	55	67.9	0.81	41.7	132
012	Grand Forks	154	0.96		47.7	323	25	31.4	0.80	41.0	61
013	Kettle Valley	55	0.81		40.1	137	14	12.9	1.09	56.0	25
014	Southern Okanagan	310	0.91		44.9	690	50	57.6	0.87	44.6	112
015	Penticton	744	0.95		47.1	1,578	127	136.3	0.93	47.9	265
016	Keremeos	90	0.84		41.5	217	22	23.7	0.93	47.8	46
017	Princeton	64	0.84		41.6	154	9	8.7	1.03	52.9	17
018	Golden	182	1.00		49.6	367	35	29.3	1.19	61.4	57
019	Revelstoke	173	0.86	*	42.7	405	37	36.5	1.01	52.1	71
020	Salmon Arm	557	0.98		48.6	1,146	134	120.9	1.11	57.0	235
021	Armstrong-Spallumcheen	180	0.94		46.4	388	40	40.6	0.98	50.6	79
022	Vernon	1,292	0.98		48.7	2,654	278	256.7	1.08	55.7	499
023	Central Okanagan	3,021	0.90	*	44.7	6,756	595	672.4	0.88 *	45.5	1,307
024	Kamloops	2,160	0.95	*	47.0	4,595	436	455.8	0.96	49.2	886
025	100 Mile House	294	0.99		48.9	601	47	51.4	0.91	47.0	100
026	North Thompson	128	1.01		50.0	256	19	19.0	1.00	51.4	37
027	Cariboo-Chilcotin	874	1.06		52.7	1,658	169	153.8	1.10	56.5	299
028	Quesnel	653	1.00		49.8	1,312	112	115.2	0.97	50.0	224
029	Lillooet	161	1.07		53.0	304	34	30.4	1.12	57.6	59
030	South Cariboo	135	0.88		43.7	309	18	26.8	0.67	34.6	52
031	Merritt	262	0.93		46.0	569	42	55.0	0.76	39.3	107
032	Hope	189	0.99		49.0	386	41	41.7	0.98	50.6	81
033	Chilliwack	1,933	0.97		48.2	4,008	424	443.5	0.96	49.2	862
034	Abbotsford	3,603	0.92	*	45.5	7,917	790	872.5	0.91 *	46.6	1,696
035	Langley	2,987	0.97		48.1	6,208	610	628.7	0.97	49.9	1,222
037	Delta	2,645	1.04	*	51.8	5,109	590	536.6	1.10 *	56.6	1,043
038	Richmond	4,169	1.06	*	52.5	7,945	786	755.7	1.04	53.5	1,469
040	New Westminster	1,690	1.06	*	52.7	3,205	346	329.8	1.05	54.0	641
041	Burnaby	4,955	0.98		48.5	10,214	1,127	1,080.4	1.04	53.7	2,100
042	Maple Ridge	2,215	1.03		51.1	4,337	470	457.9	1.03	52.8	890
043	Coquitlam	5,502	1.04	*	51.3	10,716	1,181	1,061.8	1.11 *	57.2	2,064
044	North Vancouver	3,134	0.97		48.0	6,529	652	666.2	0.98	50.3	1,295
045	West Vancouver-Bowen Is.	708	0.95		47.0	1,507	172	168.2	1.02	52.6	327
046	Sunshine Coast	485	0.96		47.6	1,019	83	90.0	0.92	47.4	175
047	Powell River	419	1.03		51.2	818	74	68.4	1.08	55.6	133
048	Howe Sound	1,025	1.04		51.5	1,992	205	189.3	1.08	55.7	368
049	Bella Coola Valley	126	1.04		51.4	245	25	26.8	0.93	48.1	52
050	Queen Charlotte	186	1.09		54.1	344	29	32.4	0.89	46.0	63
051	Snow Country	23	0.89		44.2	52	4	3.6	1.11	57.1	7
052	Prince Rupert	491	0.90	*	44.6	1,101	100	108.6	0.92	47.4	211
053	Upper Skeena	204	1.06		52.3	390	46	39.1	1.18	60.5	76
054	Smithers	567	0.93		46.0	1,233	101	112.2	0.90	46.3	218
055	Burns Lake	203	0.87	*	43.1	471	47	43.2	1.09	56.0	84
056	Nechako	547	0.90	*	44.5	1,230	115	114.2	1.01	51.8	222
057	Prince George	2,535	0.91	*	45.0	5,633	451	527.8	0.85 *	44.0	1,026
059	Peace River South	683	0.90	*	44.8	1,525	108	136.8	0.79 *	40.6	266
060	Peace River North	967	0.82	*	40.8	2,370	209	262.4	0.80 *	41.0	510
061	Greater Victoria	4,162	0.98		48.4	8,591	879	910.1	0.97	49.7	1,769
062	Sooke	1,375	0.98		48.5	2,837	284	275.2	1.03	53.1	535
063	Saanich	973	0.98		48.7	1,996	210	218.6	0.96	49.4	425
064	Gulf Islands	197	0.86	*	42.5	464	32	43.2	0.74	38.1	84
065	Cowichan	1,192	0.95		47.0	2,536	215	236.1	0.91	46.8	459
066	Lake Cowichan	137	1.08		53.3	257	7	13.9	0.50	25.9	27
067	Ladysmith	392	1.10		54.4	720	69	66.9	1.03	53.1	130
068	Nanaimo	2,567	1.28	*	63.7	4,032	515	422.9	1.22 *	62.7	822
069	Qualicum	767	1.26	*	62.6	1,225	145	122.4	1.18 *	60.9	238
070	Alberni	806	1.07		52.9	1,523	142	142.5	1.00	51.3	277
071	Courtenay	1,221	1.00		49.8	2,454	232	233.1	1.00	51.2	453
072	Campbell River	1,096	1.13	*	56.0	1,956	232	197.0	1.18 *	60.6	383
075	Mission	976	0.92	*	45.7	2,137	192	225.3	0.85 *	43.8	438
076	Agassiz-Harrison	202	1.00		49.8	406	40	43.7	0.91	47.1	85
077	Summerland	164	0.87		43.3	379	47	40.6	1.16	59.5	79
078	Enderby	178	1.08		53.6	332	29	25.7	1.13	58.0	50
080	Kitimat	347	1.09		54.0	643	51	41.7	1.22	63.0	81
081	Fort Nelson	197	0.87		43.3	455	54	54.0	1.00	51.4	105
083	Central Coast	68	1.15		57.1	119	16	15.4	1.04	53.3	30
084	Vancouver Island West	104	1.09		53.9	193	15	14.9	1.01	51.7	29
085	Vancouver Island North	446	1.02		50.8	878	66	76.1	0.87	44.6	148
087	Stikine	23	0.99		48.9	47	1	2.1	0.49	25.0	4
088	Terrace	758	1.07		52.8	1,435	149	131.7	1.13	58.2	256
092	Nisga'a	81	1.05		52.3	155	14	12.9	1.09	56.0	25
094	Telegraph Creek	24	1.03		51.1	47	1	4.1	0.24	12.5	8
161	Vancouver City Centre	2,063	1.17	*	57.9	3,564	456	398.2	1.15 *	58.9	774
162	Vancouver Downtown E. Side	1,153	1.01		50.3	2,293	241	238.7	1.01	51.9	464
163	Vancouver North East	2,816	0.99		49.3	5,711	546	566.9	0.96	49.5	1,102
164	Vancouver West Side	2,760	1.10	*	54.3	5,080	632	587.0	1.08	55.4	1,141
165	Vancouver Midtown	2,774	1.06	*	52.5	5,284	489	507.8	0.96	49.5	987
166	Vancouver South	3,280	1.04	*	51.6	6,353	629	652.8	0.96	49.6	1,269
201	Surrey	11,110	1.02		50.4	22,045	2,319	2,251.3	1.03	53.0	4,376
202	South Surrey/White Rock	1,199	1.02		50.4	2,379	267	254.7	1.05	53.9	495
	PROVINCIAL TOTAL	**101,836**	**1.00**		**49.6**	**205,397**	**20,725**	**20,725.0**	**1.00**	**51.4**	**40,285**

Note: *Statistical testing indicates that the observed number of births with maternal complications is signficantly different from the expected ($p<0.05$, two tailed). Ratio - observed over the expected. Percent of observed births is based on total live births. Non-residents are excluded.

FIGURE 33

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998–2002



Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 18/FIGURE 33

Some maternal complication categories are different from those used previously, so readers should avoid comparisons with tables in earlier publications.

- There were seven Local Health Areas (LHAs) with maternal complication ratios that were statistically significant and high in 2003. The five LHAs with the highest ratios that were statistically significant (number of births in parentheses) were:

001	Fernie	(75)	1.27
068	Nanaimo	(515)	1.22
072	Campbell River	(232)	1.18
069	Qualicum	(145)	1.18
161	Vancouver City Centre	(456)	1.15

- All of the above LHAs except Fernie also had statistically significant high ratios for the 1998-2002 period.
- There were eight LHAs with maternal complication ratios that were statistically significant and low in 2003. The six LHAs with the lowest ratios that were statistically significant (number of births in parentheses) were:

005	Creston	(45)	0.68
007	Nelson	(80)	0.71
059	Peace River South	(108)	0.79
060	Peace River North	(209)	0.80
075	Mission	(192)	0.85
057	Prince George	(451)	0.85

- All of the above LHAs also had statistically significant and low ratios for 1998-2002.
- There were 11 LHAs with statistically significant and high maternal complication ratios in 1998-2002. The five LHAs with the highest ratios that were statistically significant (number of births in parentheses) were:

068	Nanaimo	(2,567)	1.28
069	Qualicum	(767)	1.26
161	Vancouver City Centre	(2,063)	1.17
072	Campbell River	(1,096)	1.13
164	Vancouver West Side	(2,760)	1.10

- There were 16 LHAs with statistically significant and low maternal complication ratios in 1998-2002. The five LHAs with the lowest ratios that were statistically significant (number of births in parentheses) were:

002	Cranbrook	(392)	0.68
003	Kimberley	(117)	0.77
007	Nelson	(439)	0.82
060	Peace River North	(967)	0.82
005	Creston	(273)	0.84

TABLE 19
PERINATAL COMPLICATIONS IN LIVE BIRTHS BY AGE OF MOTHER
BRITISH COLUMBIA, 1998–2002 AND 2003

Perinatal Complications	ICD-10 Code	1998–2002		2003						
				Age of Mother (in Years)						
		Total	Percent	<20	20–29	30–39	40+	N.S.	Total	Percent
Fetus/newborn affected by maternal conditions that may be unrelated to present pregnancy	P00	53	0.1	-	2	-	-	-	2	0.0
Complications of pregnancy, labour and delivery	P01, P03	15,850	17.2	93	943	1,329	113	-	2,478	14.0
Fetus/newborn affected by complications of placenta, cord and membranes	P02	3,572	3.9	25	338	431	28	-	822	4.6
Fetus affected by noxious influences transmitted via placenta or breast milk	P04	54	0.1	-	1	2	-	-	3	0.0
Slow fetal growth and malnutrition	P05	4,087	4.4	31	340	366	43	-	780	4.4
Perinatal disorders related to short gestation	P072, P073	13,187	14.3	125	1,162	1,388	131	-	2,806	15.8
Disorders related to long gestation or high birth weight	P08	8,429	9.1	78	973	1,166	82	-	2,299	13.0
Perinatal birth trauma	P10-P15	334	0.4	3	27	29	-	-	59	0.3
Intrauterine hypoxia and birth asphyxia	P20-P21	45,354	49.1	370	3,679	3,877	282	-	8,208	46.3
Respiratory conditions of fetus and newborn	P22-P28	887	1.0	13	78	47	3	-	141	0.8
Infections specific to the perinatal period	P35-P39	65	0.1	1	1	3	-	-	5	0.0
Fetal and neonatal hemorrhage	P50-P52, P54	114	0.1	3	12	10	-	-	25	0.1
Perinatal jaundice/other hematological disorders	P53, P55-P61	59	0.1	1	7	4	-	-	12	0.1
Perinatal endocrine and metabolic disorders	P70-P74	39	0.0	-	1	3	-	-	4	0.0
Digestive system disorders of fetus and newborn	P76-P78	6	0.0	-	-	-	-	-	-	-
Perinatal conditions of the integument and of temperature regulation	P80-P83	97	0.1	1	12	12	1	-	26	0.1
Other disorders originating in the perinatal period	P29, P90-P96	212	0.2	1	20	22	-	-	43	0.2
All Perinatal Complications		92,399	100.0	745	7,596	8,689	683	-	17,713	100.0
Live births with the above	- Number	72,403		585	5,869	6,590	494	-	13,538	
perinatal complications	- Percent(*)	35.3		39.7	33.9	32.8	35.1		33.6	

Note: Percent based upon total perinatal complications. Percent (*) based upon live births for the maternal age group. Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

HIGHLIGHTS TO TABLE 19

- Perinatal complications were noted in 13,538 live births or one in three (33.6%) live births in 2003. These complications were noted in 35.3% of live births in 1998-2002.
- The proportion of births that had perinatal complications was highest (39.7%) in births to teenage mothers. Perinatal complications occurred in 33.9% of live births to mothers aged 20-29, 32.8% of live births to mothers aged 30-39, and 35.1% of live births to mothers 40 years of age and older.
- Intrauterine hypoxia and birth asphyxia accounted for almost half the perinatal complications (46.3% in 2003 and 49.1% in 1998-2002). The next largest categories of perinatal complications in 2003 were short gestation (15.8%), complications of pregnancy, labour and delivery (14.0%), and long gestation and high birth weight (13.0%).

Table 20

PERINATAL COMPLICATIONS IN LIVE BIRTHS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1998–2002 AND 2003

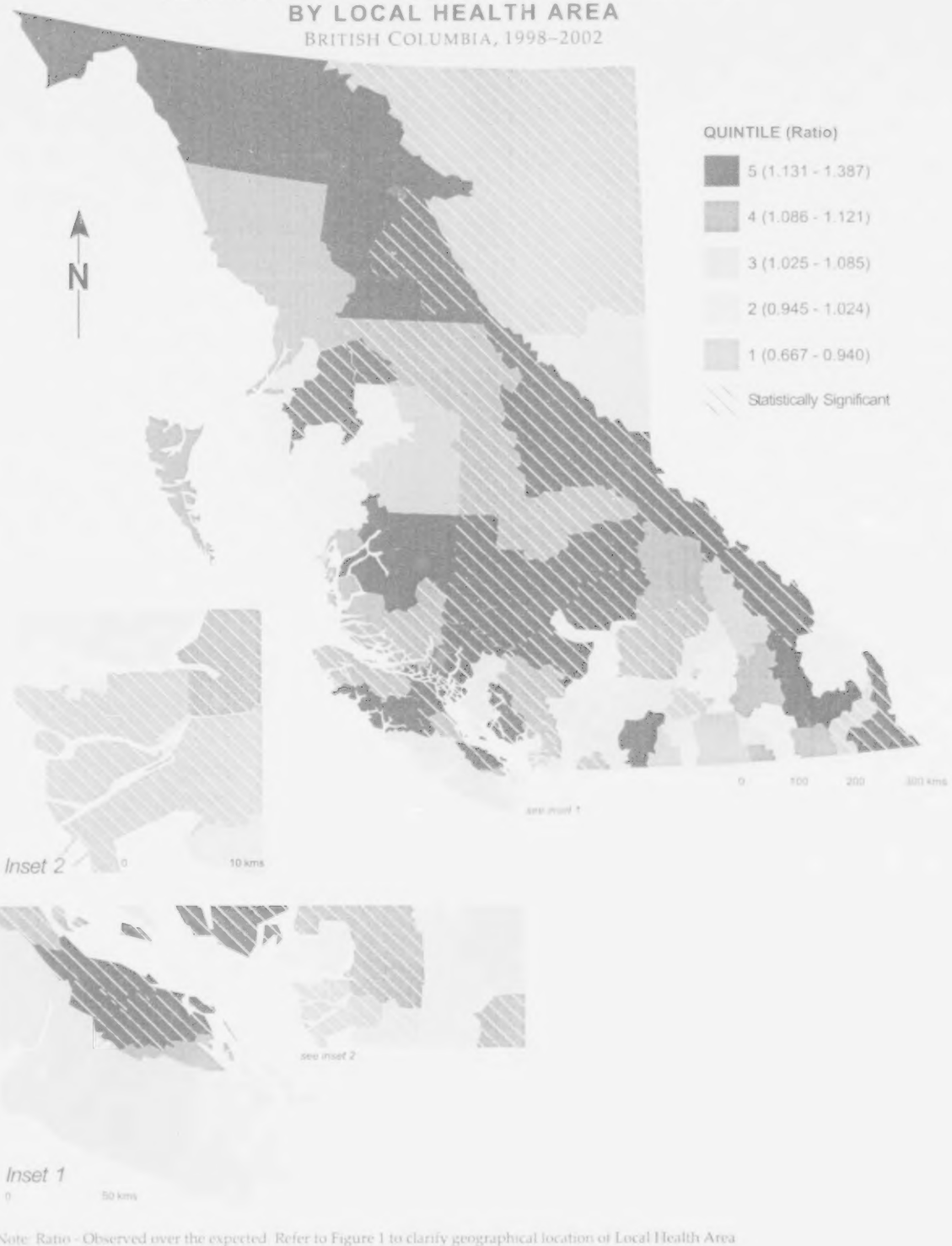
Local Health Area		1998–2002				2003				
		Observed Births	Ratio (p)	Percent	Total Live Births	Observed Births	Expected Births	Ratio (p)	Percent	Total Live Births
001	Fernie	271	1.18 *	41.6	652	51	38.6	1.32 *	44.3	115
002	Cranbrook	364	0.89 *	31.2	1,166	76	77.3	0.98	33.0	230
003	Kimberley	127	1.18	41.6	305	22	17.5	1.26	42.3	52
004	Windermere	118	0.96	34.5	342	27	21.2	1.28	42.9	63
005	Creston	253	1.09	38.4	658	48	43.0	1.12	37.5	128
006	Kootenay Lake	74	1.16	40.9	181	16	10.1	1.59	53.3	30
007	Nelson	387	1.02	35.9	1,078	71	73.3	0.97	32.6	218
009	Castlegar	205	1.07	37.5	546	29	28.6	1.02	34.1	85
010	Arrow Lakes	88	1.11	39.3	224	13	11.8	1.11	37.1	35
011	Trail	300	1.10	38.7	775	50	44.4	1.13	37.9	132
012	Grand Forks	100	0.88	31.0	323	19	20.5	0.93	31.1	61
013	Kettle Valley	45	0.93	32.8	137	9	8.4	1.07	36.0	25
014	Southern Okanagan	246	1.01	35.7	690	38	37.6	1.01	33.9	112
015	Penticton	582	1.05	36.9	1,578	100	89.1	1.12	37.7	265
016	Keremeos	69	0.90	31.8	217	21	15.5	1.36	45.7	46
017	Princeton	68	1.25	44.2	154	4	5.7	0.70	23.5	17
018	Golden	172	1.33 *	46.9	367	21	19.2	1.10	36.8	57
019	Revelstoke	134	0.94	33.1	405	29	23.9	1.22	40.8	71
020	Salmon Arm	415	1.03	36.2	1,146	90	79.0	1.14	38.3	235
021	Armstrong-Spallumcheen	128	0.94	33.0	388	32	26.5	1.21	40.5	79
022	Vernon	946	1.01	35.6	2,654	182	167.7	1.09	36.5	499
023	Central Okanagan	2,232	0.94 *	33.0	6,756	438	439.2	1.00	33.5	1,307
024	Kamloops	1,772	1.09 *	38.6	4,595	321	297.7	1.08	36.2	886
025	100 Mile House	268	1.27 *	44.6	601	39	33.6	1.16	39.0	100
026	North Thompson	99	1.10	38.7	256	12	12.4	0.97	32.4	37
027	Cariboo-Chilcotin	774	1.32 *	46.7	1,658	140	100.5	1.39 *	46.8	299
028	Quesnel	515	1.11 *	39.3	1,312	93	75.3	1.24 *	41.5	224
029	Lillooet	129	1.20 *	42.4	304	19	19.8	0.96	32.2	59
030	South Cariboo	110	1.01	35.6	309	11	17.5	0.63	21.2	52
031	Merritt	207	1.03	36.4	569	38	36.0	1.06	35.5	107
032	Hope	146	1.07	37.8	386	35	27.2	1.29	43.2	81
033	Chilliwack	1,564	1.11 *	39.0	4,008	319	289.7	1.10	37.0	862
034	Abbotsford	2,743	0.98	34.6	7,917	544	570.0	0.95	32.1	1,696
035	Langley	2,359	1.08 *	38.0	6,208	427	410.7	1.04	34.9	1,222
037	Delta	1,622	0.90 *	31.7	5,109	323	350.5	0.92	31.0	1,043
038	Richmond	2,408	0.86 *	30.3	7,945	409	493.7	0.83 *	27.8	1,469
040	New Westminster	1,219	1.08 *	38.0	3,205	247	215.4	1.15 *	38.5	641
041	Burnaby	3,249	0.90 *	31.8	10,214	614	705.7	0.87 *	29.2	2,100
042	Maple Ridge	1,712	1.12 *	39.5	4,337	332	299.1	1.11	37.3	890
043	Coquitlam	4,137	1.10 *	38.6	10,716	731	693.6	1.05	35.4	2,064
044	North Vancouver	2,219	0.96	34.0	6,529	355	435.2	0.82 *	27.4	1,295
045	West Vancouver-Bowen Is.	503	0.95	33.4	1,507	96	109.9	0.87	29.4	327
046	Sunshine Coast	413	1.15 *	40.5	1,019	54	58.8	0.92	30.9	175
047	Powell River	311	1.08	38.0	818	67	44.7	1.50 *	50.4	133
048	Howe Sound	765	1.09 *	38.4	1,992	146	123.7	1.18 *	39.7	368
049	Bella Coola Valley	101	1.17	41.2	245	24	17.5	1.37	46.2	52
050	Queen Charlotte	132	1.09	38.4	344	18	21.2	0.85	28.6	63
051	Snow Country	20	1.09	38.5	52	2	2.4	0.85	28.6	7
052	Prince Rupert	376	0.97	34.2	1,101	71	70.9	1.00	33.6	211
053	Upper Skeena	177	1.29 *	45.4	390	32	25.5	1.25	42.1	76
054	Smithers	443	1.02	35.9	1,233	71	73.3	0.97	32.6	218
055	Burns Lake	155	0.93	32.9	471	33	28.2	1.17	39.3	84
056	Nechako	482	1.11 *	39.2	1,230	76	74.6	1.02	34.2	222
057	Prince George	2,273	1.14 *	40.4	5,633	401	344.8	1.16 *	39.1	1,026
059	Peace River South	583	1.08	38.2	1,525	116	89.4	1.30 *	43.6	266
060	Peace River North	710	0.85 *	30.0	2,370	150	171.4	0.88	29.4	510
061	Greater Victoria	2,999	0.99	34.9	8,591	600	594.5	1.01	33.9	1,769
062	Sooke	1,031	1.03	36.3	2,837	202	179.8	1.12	37.8	535
063	Saanich	712	1.01	35.7	1,996	165	142.8	1.16	38.8	425
064	Gulf Islands	173	1.06	37.3	464	30	28.2	1.06	35.7	84
065	Cowichan	873	0.98	34.4	2,536	169	154.2	1.10	36.8	459
066	Lake Cowichan	94	1.04	36.6	257	10	9.1	1.10	37.0	27
067	Ladysmith	278	1.10	38.6	720	54	43.7	1.24	41.5	130
068	Nanaimo	1,971	1.39 *	48.9	4,032	384	276.2	1.39 *	46.7	822
069	Qualicum	593	1.37 *	48.4	1,225	106	80.0	1.33 *	44.5	238
070	Alberni	557	1.04	36.6	1,523	99	93.1	1.06	35.7	277
071	Courtenay	944	1.09 *	38.5	2,454	180	152.2	1.18 *	39.7	453
072	Campbell River	882	1.28 *	45.1	1,956	179	128.7	1.39 *	46.7	383
075	Mission	750	1.00	35.1	2,137	172	147.2	1.17 *	39.3	438
076	Agassiz-Harrison	149	1.04	36.7	406	33	28.6	1.16	38.8	85
077	Summerland	144	1.08	38.0	379	33	26.5	1.24	41.8	79
078	Enderby	114	0.97	34.3	332	19	16.8	1.13	38.0	50
080	Kitimat	232	1.02	36.1	643	28	27.2	1.03	34.6	81
081	Fort Nelson	107	0.67 *	23.5	455	27	35.3	0.77	25.7	105
083	Central Coast	47	1.12	39.5	119	11	10.1	1.09	36.7	30
084	Vancouver Island West	82	1.21	42.5	193	15	9.7	1.54	51.7	29
085	Vancouver Island North	347	1.12 *	39.5	878	64	49.7	1.29 *	43.2	148
087	Stikine	20	1.21	42.6	47	2	1.3	1.49	50.0	4
088	Terrace	572	1.13 *	39.9	1,435	95	86.0	1.10	37.1	256
092	Nisga'a	56	1.02	36.1	155	7	8.4	0.83	28.0	25
094	Telegraph Creek	18	1.09	38.3	47	4	2.7	1.49	50.0	8
161	Vancouver City Centre	1,194	0.95	33.5	3,564	250	260.1	0.96	32.3	774
162	Vancouver Downtown E. Side	764	0.95	33.3	2,293	181	155.9	1.16 *	39.0	464
163	Vancouver North East	1,695	0.84 *	29.7	5,711	293	370.3	0.79 *	26.6	1,102
164	Vancouver West Side	1,684	0.94 *	33.1	5,080	340	383.4	0.89 *	29.8	1,141
165	Vancouver Midtown	1,657	0.89 *	31.4	5,284	281	331.7	0.85 *	28.5	987
166	Vancouver South	1,943	0.87 *	30.6	6,353	346	426.5	0.81 *	27.3	1,269
201	Surrey	6,834	0.88 *	31.0	22,045	1,232	1,470.6	0.84 *	28.2	4,376
202	South Surrey/White Rock	862	1.03	36.2	2,379	170	166.3	1.02	34.3	495
	PROVINCIAL TOTAL	**72,403**	**1.00**	**35.3**	**205,397**	**13,538**	**13,538.0**	**1.00**	**33.6**	**40,285**

Note: *Statistical testing indicates that the observed number of births with perinatal complications is signficantly different from the expected ($p<0.05$, two tailed). Percent of observed births is based on total live births. Ratio-observed over expected. Non-residents are excluded.

FIGURE 34

PERINATAL COMPLICATIONS IN LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998–2002



Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 20/FIGURE 34

- There were 15 Local Health Areas (LHAs) with statistically significant and high perinatal complication ratios in 2003. The five LHAs with the highest ratios that were statistically significant (number of births in parentheses) were:

047	Powell River	(67)	1.50
068	Nanaimo	(384)	1.39
072	Campbell River	(179)	1.39
027	Cariboo-Chilcotin	(140)	1.39
069	Qualicum	(106)	1.33

- All of the above LHAs except Powell River also had statistically significant and high ratios for the 1998-2002 period.
- There were eight LHAs that had statistically significant and low perinatal complication ratios in 2003. The five LHAs with the lowest ratios that were statistically significant (number of births in parentheses) were:

163	Vancouver North East	(293)	0.79
166	Vancouver South	(346)	0.81
044	North Vancouver	(355)	0.82
038	Richmond	(409)	0.83
201	Surrey	(1,232)	0.84

- All of the above LHAs except North Vancouver also had statistically significant and low ratios for 1998-2002.
- There were 23 LHAs with statistically significant and high perinatal complication ratios in 1998-2002. The five LHAs with the highest ratios that were statistically significant (number of births in parentheses) were:

068	Nanaimo	(1,971)	1.39
069	Qualicum	(593)	1.37
018	Golden	(172)	1.33
027	Cariboo-Chilcotin	(774)	1.32
053	Upper Skeena	(177)	1.29

- There were 12 LHAs with statistically significant and low perinatal complication ratios in 1998-2002. The five LHAs with the lowest ratios that were statistically significant (number of births in parentheses) were:

081	Fort Nelson	(107)	0.67
163	Vancouver North East	(1,695)	0.84
060	Peace River North	(710)	0.85
038	Richmond	(2,408)	0.86
166	Vancouver South	(1,943)	0.87

Vital Statistics Information Box

BIRTH ATTENDANTS IN BRITISH COLUMBIA, 1998-2003

Each birth in British Columbia must be reported to the BC Vital Statistics Agency using the Notice of a Live Birth or Stillbirth (NOB) form provided by the Agency. The attendant to the birth must sign the NOB and, when applicable, a Medical Services Plan billing number must be provided. The billing number can be used to link to the Medical Services Plan list of specialties to determine what types of attendant (General Practitioner (GP), Obstetrician/Gynecologist (Ob/Gyn), midwife or other) was attending to the birth. This information box presents information on the type of practitioner attending to births in B.C.

(continued on page 61)

Vital Statistics Information Box

(continued from page 60)

The percentage of total births attended by a GP has fallen from 61 percent in 1998 to 51 percent in 2003. The decrease in GPs attending births can be largely explained by the increasing complexity of births in B.C. For example, the percentage of births delivered by cesarean section has increased from approximately 21 percent to approximately 28 percent over this time period. In addition, the province introduced licensed midwives during this time period who can attend to low risk births, and this has likely reduced the dependence on GPs to provide birthing care.

Over the same time the percentage of births attended by an Ob/Gyn has increased from 32 percent to 41 percent. The increase in Ob/Gyn attended births is partly explained by an increase in cesarean deliveries (7 percent) and a decline in other specialties providing birthing care.

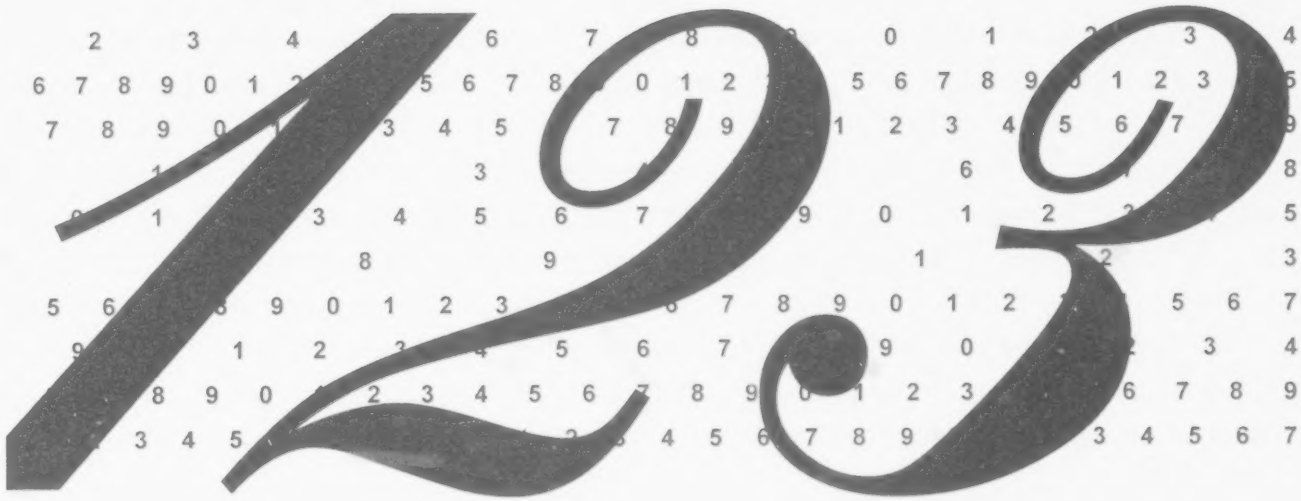
	Percent of Total NOBs Signed by			
	GPs	Ob/Gyn	Midwives	Other
1998	61	32	1	6
1999	58	34	2	5
2000	56	37	3	5
2001	53	39	3	4
2002	52	40	3	4
2003	51	41	4	4

There were fewer GPs who delivered babies in 2003 than in 1998 but the average number of deliveries for a GP who delivered at least one baby rose from 14.6 in 1998 to 19.3 in 2003. There are, however, more Ob/Gyn specialists delivering babies but they too are also delivering more babies. The average number of deliveries for an Ob/Gyn who delivered rose from 108.1 in 1998 to 114.3 in 2003.

	Average Number of Deliveries by Physician Type					
	GP Delivery	GPs	Average	Specialist Deliveries	Specialists	Average
1998	26,079	1,784	14.6	13,841	128	108.1
1999	24,456	1,617	15.1	14,416	137	105.2
2000	22,685	1,456	15.6	15,059	142	106.0
2001	21,639	1,301	16.6	15,931	139	114.6
2002	20,995	1,166	18.0	16,103	140	115.0
2003	20,740	1,074	19.3	16,682	146	114.3

The decline in the number of GPs delivering babies and the percentage of babies delivered by GPs, along with the increase in specialist delivered babies seems largely to be part of a trend in B.C., documented elsewhere in this report, of more complicated pregnancies for a variety of reasons.

Death-related Statistics



Summary

Statistics arising from death events are presented in this section. Included are tables and figures containing information about deaths by age, gender, and cause. Deaths are assigned to a Local Health Area (LHA) based on the usual residence of the decedent. Topics of particular interest are leading causes of death, infant mortality, alcohol-related, drug-induced, and smoking-attributable causes, deaths from HIV disease, and deaths from accidents, and violence. Mortality statistics are provided in terms of Age Standardized Mortality Rates (ASMR), Standardized Mortality Ratios (SMR), Potential Years of Life Lost (PYLL), and Potential Years of Life Lost Standardized Rate (PYLLSR). Standardized measures are used to compare deaths in different geographical areas by age, gender, and cause. In addition, maps are provided to geographically illustrate various patterns of mortality in British Columbia.

Statistics from deaths in 2003 are summarized below:

- There were 29,108 deaths in British Columbia to provincial residents in 2003. More than half (50.8%) were males (14,773 males and 14,333 females). Over three quarters (78.6%) were seniors age 65 or older (22,890 deaths), and the oldest age group (80 years of age or more) accounted for almost half of all 2003 deaths (13,966 deaths or 48.0%).
- The Age Standardized Mortality Rate (ASMR) for all causes of death in 2003 was 54.21 per 10,000 standard population. The 2003 ASMR for males was 65.55 and for females it was 44.91.
- In recent years, malignant neoplasms (cancer), cardiovascular disease, and cerebrovascular diseases have been the top three leading causes of death in the province, when ranked either by number of deaths or by age standardized mortality rates (ASMR). These causes were responsible for almost sixty percent (58.9%) of the deaths in the province in 2003.
- There were 163 infant deaths (under one year of age) and 289 stillbirths in 2003.
- The infant mortality rate for births with very low birth weight (less than 1,500 grams) was almost one in four (235.96 per 1,000 live births). The infant mortality rate for the babies with a gestational age of 20-27 weeks at birth was 428.57 per 1,000 live births, and every live birth with a gestational age less than 20 weeks died.
- In 2003, there were 1,621 deaths from external causes among B.C. residents. Suicides (424 deaths) and motor vehicle accidents (376) each accounted for approximately one in four deaths due to external causes (26.2% and 23.2% respectively). Accidental falls (329) accounted for about a fifth (20.3%) and accidental poisoning (207) accounted for about one eighth (12.8%) of the external causes of death.
- Out of the 29,108 deaths in B.C. in 2003, 11,023 (37.9%) were under age 75. An average of 16.7 years of life were lost per death under 75 years of age.
- There were 1,789 alcohol-related deaths in 2003. Almost half (45.9 %) of all alcohol related deaths were seniors (707 deaths aged 65-84 and 115 aged 85+) and more than a third (38.3%) were aged 45-64 (685 deaths).
- In 2003, there were 5,850 deaths that were attributed to smoking. Three in five smoking-attributable deaths (60.1%) were males (3,517 deaths).
- There were 304 deaths to B.C. residents from drug-induced causes in 2003.

TABLE 21
CAUSES OF DEATH BY GENDER AND AGE
BRITISH COLUMBIA, 2003

ICD-10 Code(s)	Causes of Death	Gender	Age Group (in Years)										Total		
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Number	Percent	ASMR
A00-B99	Certain infectious and parasitic diseases	M	1	2	-	-	1	3	59	113	55	80	314	2.1	1.36
		F	2	-	-	-	-	1	20	43	65	95	226	1.6	0.77
		T	3	2	-	-	1	4	79	156	120	175	540	1.9	1.04
C00-D48	Neoplasms	M	-	2	5	2	4	9	105	989	1,902	1,261	4,279	29.0	18.62
		F	-	1	2	4	6	3	129	961	1,548	1,352	4,006	27.9	13.97
		T	-	3	7	6	10	12	234	1,950	3,450	2,613	8,285	28.5	15.93
D50-D89	Diseases of blood and blood-forming organs and disorders involving the immune mechanism	M	-	-	-	-	-	-	1	6	9	16	32	0.2	0.14
		F	-	1	-	-	-	1	1	5	9	33	50	0.3	0.15
		T	-	1	-	-	-	1	2	11	18	49	82	0.3	0.15
E00-E90	Endocrine nutritional and metabolic diseases	M	2	-	-	-	-	3	9	127	249	218	608	4.1	2.67
		F	-	1	-	1	1	1	5	58	197	324	588	4.1	1.84
		T	2	1	-	1	1	4	14	185	446	542	1,196	4.1	2.23
F00-F99	Mental and behavioural disorders	M	-	-	-	-	-	1	16	42	63	150	272	1.8	1.21
		F	-	-	-	-	-	2	9	14	59	391	475	3.3	1.27
		T	-	-	-	-	-	3	25	56	122	541	747	2.6	1.29
G00-G99	Diseases of the nervous system	M	2	1	-	-	2	5	16	71	166	251	514	3.5	2.28
		F	1	1	-	-	1	1	16	46	160	418	644	4.5	1.91
		T	3	2	-	-	3	6	32	117	326	669	1,158	4.0	2.08
H00-H59	Diseases of the eye and adnexa	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	-	1	-	2	0.0	+
		T	-	-	-	-	-	-	1	-	1	-	2	0.0	+
H60-H95	Diseases of the ear and mastoid process	M	-	-	-	-	-	-	-	1	-	-	1	0.0	+
		F	-	-	-	-	-	-	-	-	-	-	-	-	-
		T	-	-	-	-	-	-	-	1	-	-	1	0.0	+
I00-I99	Diseases of the circulatory system	M	1	-	-	1	-	4	71	680	1,702	2,393	4,852	32.8	21.41
		F	-	1	-	1	1	3	33	239	1,056	3,593	4,927	34.4	13.93
		T	1	1	-	2	1	7	104	919	2,758	5,986	9,779	33.6	17.30
J00-J99	Diseases of the respiratory system	M	2	2	-	-	-	-	18	101	475	892	1,490	10.1	6.66
		F	1	1	1	-	1	1	8	76	376	1,036	1,501	10.5	4.35
		T	3	3	1	-	1	1	26	177	851	1,928	2,991	10.3	5.26
K00-K93	Diseases of the digestive system	M	-	-	-	1	-	-	25	152	183	171	532	3.6	2.30
		F	-	-	-	-	-	-	21	91	141	343	596	4.2	1.83
		T	-	-	-	1	-	-	46	243	324	514	1,128	3.9	2.07
L00-L99	Diseases of the skin and subcutaneous tissue	M	-	-	-	-	-	-	-	5	5	12	22	0.1	0.10
		F	-	-	-	-	-	-	1	-	5	18	24	0.2	0.07
		T	-	-	-	-	-	-	1	5	10	30	46	0.2	0.08
M00-M99	Diseases of the musculoskeletal system and connective tissue	M	-	-	-	-	-	-	3	18	20	25	66	0.4	0.29
		F	-	-	-	-	-	-	4	19	35	86	144	1.0	0.45
		T	-	-	-	-	-	-	7	37	55	111	210	0.7	0.38
N00-N99	Diseases of the genitourinary system	M	-	-	-	-	-	1	4	26	77	145	253	1.7	1.13
		F	-	-	-	-	-	2	3	11	79	220	315	2.2	0.91
		T	-	-	-	-	-	3	7	37	156	365	568	2.0	1.00
O00-O99	Complications of pregnancy, childbirth and the puerperium	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	-	-	-	1	0.0	+
		T	-	-	-	-	-	-	1	-	-	-	1	0.0	+
P00-P96	Certain conditions originating in the perinatal period	M	50	-	-	-	-	-	-	-	-	-	50	0.3	0.35
		F	33	1	-	-	-	-	-	-	-	-	34	0.2	0.25
		T	85	1	-	-	-	-	-	-	-	-	86	0.3	0.31
Q00-Q99	Congenital malformations and chromosome abnormalities	M	14	1	1	1	-	1	4	6	2	1	31	0.2	0.18
		F	17	1	2	-	-	-	5	11	7	7	50	0.3	0.27
		T	31	2	3	1	-	1	9	17	9	8	81	0.3	0.22
R00-R99	Symptoms, signs and abnormal finding, unknown causes	M	17	4	1	1	18	23	102	123	49	41	379	2.6	1.77
		F	15	5	5	1	3	3	45	36	25	69	207	1.4	0.85
		T	32	9	6	2	21	26	147	159	74	110	586	2.0	1.30
V01-Y98	External causes	M	2	6	6	11	64	94	357	271	132	135	1,078	7.3	5.08
		F	1	3	2	8	20	20	115	112	72	190	543	3.8	2.08
		T	3	9	8	19	84	114	472	383	204	325	1,621	5.6	3.56
	All causes	**M**	**91**	**18**	**13**	**17**	**89**	**144**	**790**	**2,731**	**5,089**	**5,791**	**14,773**	**100.0**	**65.55**
		F	**70**	**16**	**12**	**15**	**33**	**38**	**417**	**1,722**	**3,835**	**8,175**	**14,333**	**100.0**	**44.91**
	PROVINCIAL TOTAL	**T**	**163**	**34**	**25**	**32**	**122**	**182**	**1,207**	**4,453**	**8,924**	**13,966**	**29,108**	**100.0**	**54.21**

Note: ASMR – Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census). Total percentage may not add up to 100 due to rounding. + Denotes the number of cases is less than five. Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

HIGHLIGHTS TO TABLE 21

- There were 29,108 deaths in British Columbia to provincial residents in 2003. More than half (50.8%) were males (14,773 males and 14,333 females). Over three quarters (78.6%) were seniors age 65 or older (22,890 deaths), and the oldest age group (80 years of age or more) accounted for almost half of all 2003 deaths (13,966 deaths or 48.0%).
- The Age Standardized Mortality Rate (ASMR) for all causes of death in 2003 was 54.21 per 10,000 standard population. The 2003 ASMR for males was 65.55 and for females it was 44.91.
- Circulatory system diseases were responsible for more than a third (33.6%) of all deaths in 2003 (9,779). It was the leading cause of death of the elderly aged 80 or older (5,986 deaths) who accounted for more than six out of every ten (61.2%) of the deaths from this cause. The ASMR for circulatory system diseases was 17.30 per 10,000 standard population.
- More than one in four deaths (28.5%) in 2003 was due to neoplasms, which include both malignant neoplasms (cancer) and non-malignant neoplasms (8,285 deaths total). The ASMR for neoplasms was 15.93 per 10,000 standard population.
- In 2003, one in ten deaths (10.3%) was due to respiratory system diseases (2,991), and the ASMR for respiratory system diseases was 5.26 per 10,000 standard population. These deaths, including pneumonia/influenza and chronic pulmonary disease, tend to occur in older age groups. In 2003, 92.9% of deaths from respiratory system diseases were seniors (age 65 and older).
- External causes of death claimed 1,621 lives in 2003 and almost two thirds (66.5%) were males (1,078 deaths). External causes claimed many young lives, in contrast to the older age profile of deaths from natural causes. Unintentional injuries (motor vehicle and other transport accidents, falls, exposure to smoke, fire, and flames, drowning, and accidental poisoning, were the leading cause of death category in all age groups between 1 and 44 years of age (see Table 23).

TABLE 22
TWELVE LEADING CAUSES OF DEATH[1]
BRITISH COLUMBIA, 1998–2002 AND 2003

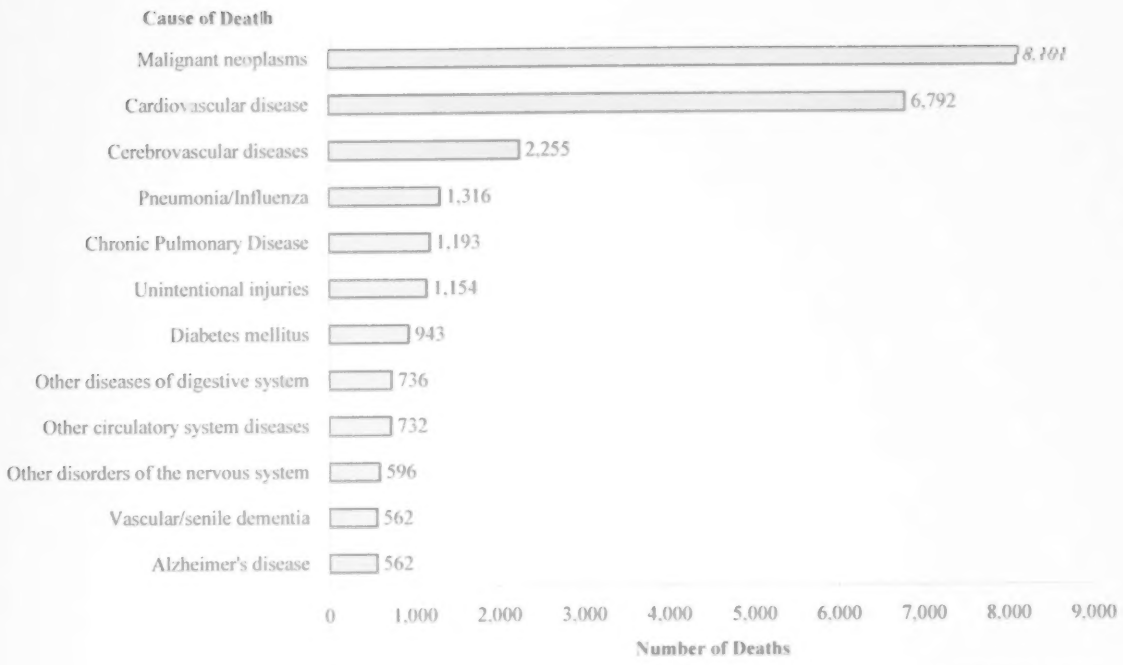
Cause of Death	ICD-10 Code(s)	1998–2002 Number	Rank	ASMR	Rank	2003 Number	Rank	ASMR	Rank
Malignant neoplasms	C00-C97	38,329	1	16.09	1	8,101	1	15.58	1
Cardiovascular disease	I00-I51	35,089	2	13.80	2	6,792	2	12.06	2
Cerebrovascular diseases	I60-I69	11,318	3	4.37	3	2,255	3	3.91	3
Pneumonia/Influenza	J10-J181, J188, J189	6,428	5	2.43	5	1,316	4	2.24	5
Chronic Pulmonary Disease	J40-J44	5,962	6	2.37	6	1,193	5	2.15	6
Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	6,954	4	3.17	4	1,154	6	2.48	4
Diabetes mellitus	E10-E14	3,582	8	1.46	7	943	7	1.76	7
Other diseases of digestive system	K00-K67, K80-K93	3,615	7	1.42	8	736	8	1.31	9
Other circulatory system diseases	I70-I99	2,978	9	1.18	9	732	9	1.33	8
Other disorders of the nervous system	G00-G25, G31-G99	2,676	10	1.11	10	596	10	1.14	10
Alzheimer's disease	G30	2,433	11	0.92	11	562	11	0.94	11
Vascular/senile dementia	F01, F03	2,355	12	0.87	12	562	11	0.92	12
Other causes[2]		18,197		7.85		4,166		8.39	
TOTAL (All causes of death)		**139,916**		**57.04**		**29,108**		**54.21**	

Note: [1]Leading causes of death relate to categories most often queried at the Vital Statistics Agency.
[2]Other causes includes undetermined and pending.
ASMR – Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
The number of deaths in the current year determined the order in which the causes of death are presented.
Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time.
Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 35

TWELVE LEADING CAUSES OF DEATH

BRITISH COLUMBIA, 2003



Note: Leading causes of death relate to categories most often queried at the Vital Statistics Agency.

HIGHLIGHTS TO TABLE 22/FIGURE 35

- In recent years, malignant neoplasms (cancer), cardiovascular disease, and cerebrovascular diseases have been the top three leading causes of death in the province, when ranked either by number of deaths or by age standardized mortality rates (ASMR). These causes were responsible for almost sixty percent (58.9%) of the deaths in the province in 2003.
- More than one in four deaths (27.8%) in the province in 2003 were due to malignant neoplasms (8,101 deaths). The ASMR for malignant neoplasms was 15.58 deaths per 10,000 standard population in 2003 and 16.09 in 1998-2002.
- Cardiovascular disease was the second leading cause of death in 2003, accounting for almost one quarter (23.3%) of all deaths (6,792) with an ASMR of 12.06 per 10,000 standard population in 2003 and 13.80 in 1998-2002.
- The third leading cause of death in 2003 was cerebrovascular diseases (2,255 deaths) causing one in thirteen deaths (7.7%). The ASMR for cerebrovascular diseases was 3.91 per 10,000 standard population in 2003 and 4.37 in 1998-2002.
- Pneumonia/influenza was the fourth leading cause of death in 2003 based on the number of deaths (1,316), but the fifth based on ASMR (2.24 per 10,000 standard population). Pneumonia/influenza had the fifth highest number of deaths (6,428) and ASMR (2.43) in 1998-2002.
- Chronic pulmonary disease was the fifth leading cause of death in 2003 based on the number of deaths (1,193), but the sixth based on ASMR (2.15 per 10,000 standard population). Chronic pulmonary disease had the sixth highest number of deaths (5,962) and ASMR (2.37) in 1998-2002.
- Unintentional injuries were the sixth leading cause of death in 2003 based on the number of deaths (1,154), but fourth based on ASMR (2.48 per 10,000 standard population). Unintentional injuries had the fourth highest number of deaths (6,954) and ASMR (3.17) in 1998-2002.

TABLE 23
LEADING CAUSES OF DEATH BY AGE AND GENDER
BRITISH COLUMBIA, 2003

Cause of Death	ICD-10 Code(s)	Males Number	Males Percent	Females Number	Females Percent	Total Number	Total Percent
Under 1 Year Old							
1. Certain conditions originating in the perinatal period	P00-P96	50	54.9	33	47.1	85	52.1
2. Congenital malformations and chromosome abnormalities	Q00-Q99	14	15.4	17	24.3	31	19.0
3. Sudden infant death syndrome	R95	5	5.5	3	4.3	8	4.9
4. Certain infectious and parasitic diseases	A00-B99	1	1.1	2	2.9	3	1.8
5. Other disorders of the nervous system	G00-G25, G31-G99	2	2.2	1	1.4	3	1.8
Other causes[1]		19	20.9	14	20.0	33	20.2
All causes		**91**	**100.0**	**70**	**100.0**	**163**	**100.0**
1-14 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	20	41.7	13	30.2	33	36.3
2. Malignant neoplasms	C00-C97	8	16.7	7	16.3	15	16.5
3. Congenital malformations and chromosome abnormalities	Q00-Q99	3	6.3	3	7.0	6	6.6
4. Pneumonia/Influenza	J10-J181, J188, J189	2	4.2	2	4.7	4	4.4
5. Cardiovascular disease	I00-I51	1	2.1	2	4.7	3	3.3
Other causes[1]		14	29.2	16	37.2	30	33.0
All causes		**48**	**100.0**	**43**	**100.0**	**91**	**100.0**
15-24 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	113	48.5	30	42.3	143	47.0
2. Suicide	X60-X84, Y870	41	17.6	8	11.3	49	16.1
3. Malignant neoplasms	C00-C97	13	5.6	9	12.7	22	7.2
4. Other disorders of the nervous system	G00-G25, G31-G99	7	3.0	2	2.8	9	3.0
5. Cardiovascular disease	I00-I51	2	0.9	4	5.6	6	2.0
Other causes[1]		57	24.5	18	25.4	75	24.7
All causes		**233**	**100.0**	**71**	**100.0**	**304**	**100.0**
25-44 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	221	28.0	63	15.1	284	23.5
2. Malignant neoplasms	C00-C97	100	12.7	126	30.2	226	18.7
3. Suicide	X60-X84, Y870	128	16.2	45	10.8	173	14.3
4. Cardiovascular disease	I00-I51	61	7.7	22	5.3	83	6.9
5. Certain infectious and parasitic diseases	A00-B99	59	7.5	20	4.8	79	6.5
Other causes[1]		221	28.0	141	33.8	362	30.0
All causes		**790**	**100.0**	**417**	**100.0**	**1,207**	**100.0**
45-64 Years Old							
1. Malignant neoplasms	C00-C97	979	35.8	943	54.8	1,922	43.2
2. Cardiovascular disease	I00-I51	529	19.4	140	8.1	669	15.0
3. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	154	5.6	75	4.4	229	5.1

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Note: Order of leading causes based on total deaths in the specified age group.
[1]Other causes includes undetermined and pending.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

TABLE 23 – *concluded*

LEADING CAUSES OF DEATH BY AGE AND GENDER

BRITISH COLUMBIA, 2003

Cause of Death	ICD-10 Code(s)	Males		Females		Total	
		Number	Percent	Number	Percent	Number	Percent
4. Diseases of liver	K70-K76	103	3.8	71	4.1	174	3.9
5. Certain infectious and parasitic diseases	A00-B99	113	4.1	43	2.5	156	3.5
Other causes[1]		853	31.2	450	26.1	1,303	29.3
All causes		**2,731**	**100.0**	**1,722**	**100.0**	**4,453**	**100.0**
65–84 Years Old							
1. Malignant neoplasms	C00-C97	2,504	33.1	2,142	33.9	4,646	33.5
2. Cardiovascular disease	I00-I51	1,960	25.9	1,286	20.4	3,246	23.4
3. Cerebrovascular diseases	I60-I69	494	6.5	555	8.8	1,049	7.6
4. Chronic Pulmonary Disease	J40-J44	417	5.5	321	5.1	738	5.3
5. Diabetes mellitus	E10-E14	306	4.0	238	3.8	544	3.9
Other causes[1]		1,889	25.0	1,776	28.1	3,665	26.4
All causes		**7,570**	**100.0**	**6,318**	**100.0**	**13,888**	**100.0**
85 Years and Older							
1. Cardiovascular disease	I00-I51	1,003	30.3	1,781	31.3	2,784	30.9
2. Malignant neoplasms	C00-C97	581	17.6	689	12.1	1,270	14.1
3. Cerebrovascular diseases	I60-I69	316	9.5	730	12.8	1,046	11.6
4. Pneumonia/Influenza	J10-J181, J188, J189	291	8.8	461	8.1	752	8.4
5. Chronic Pulmonary Disease	J40-J44	189	5.7	191	3.4	380	4.2
Other causes[1]		930	28.1	1,840	32.3	2,770	30.8
All causes		**3,310**	**100.0**	**5,692**	**100.0**	**9,002**	**100.0**

Notes for this table are on previous page

HIGHLIGHTS TO TABLE 23

- There were 163 infant deaths (under one year of age) in 2003. Perinatal conditions were the leading cause of infant deaths (85 deaths) and congenital anomalies were second leading cause of infant deaths (31). Eight deaths from Sudden Infant Death Syndrome (SIDS) were recorded for 2003. This number may be amended in future reports as medical investigations are completed.
- There were 91 deaths of children in the 1-14 age group in 2003. Unintentional injuries were the leading cause of death in this age group, with 33 deaths (20 boys and 13 girls or 60.6% males). Malignant neoplasms (cancer), the second leading cause of death for this age group, claimed 15 lives: 8 boys and 7 girls.
- Unintentional injuries were responsible for almost half (47.0%) of the deaths in the 15-24 year age group (143 out of 304 deaths).The second leading cause of death was suicide, which claimed 49 lives (16.1% of the deaths in this age group). There were 22 deaths from malignant neoplasms making this the third leading cause of death for 15-24 year olds.
- There were 1,207 deaths in the 25-44 year age group in 2003. For men in this age group, the leading cause of death was unintentional injuries (221 deaths), followed by suicide (128 deaths) and malignant neoplasms (100 deaths). For women in this age group, malignant neoplasms were was the leading cause of death (126 deaths), followed by unintentional injuries (63 deaths).
- The leading causes of death in the 45-64 year age group were malignant neoplasms (1,922 deaths), cardiovascular disease (669), and unintentional injuries (229). There were 2,731 male deaths and 1,722 female deaths in this age group. More than a third of the male deaths (35.8%) and more than half (54.8%) the female deaths in this age group were due to malignant neoplasms (979 male and 943 female deaths).
- In 2003, malignant neoplasms, cardiovascular disease, and cerebrovascular diseases were the leading causes of death for both men and women in the 65-84 year age group. In total these causes account for two thirds (64.5%) of all of the deaths in this age group.
- The leading causes of death in the 85 and older age group were cardiovascular disease, malignant neoplasms, and cerebrovascular diseases. Deaths from cardiovascular diseases (2,784) accounted for almost a third (30.9%) of the 9,002 deaths in this age group.

Vital Statistics Information Box

Health Indicators for the Status Indian Population in British Columbia

Since 1991 the British Columbia Vital Statistics Agency has worked with the First Nation's Health Branch of Health Canada to examine the health status of aboriginals in British Columbia. The partnership has produced a number of reports, the most recent being *Regional Analysis of Status Indians in British Columbia: 1991-2001.* The Agency is currently working on the update to this publication that will incorporate data to 2002. This information box presents preliminary estimates from the upcoming report. The report itself may be accessed on-line at http://www.vs.gov.bc.ca/stats/indian/index.html

In 2002 there were an estimated 151,783 Status Indians living in British Columbia, accounting for 3.7 percent of the total B.C. population. The Status Indian population is younger than the rest of the population, 39 percent of the Status Indian population was under the age of 20 years compared to 23 percent of the non Status Indian population. In contrast five percent of the Status Indian population is aged 65+ compared to 14 percent of the rest of the population.

There were 3,133 live births of Status Indian babies in B.C. in 2002. The corresponding live birth rate was 20.6 live births per 1,000 population. This live birth rate was over twice the rate of 9.2 live births per 1,000 population for other residents of B.C. The live birth rate for Status Indians is on a long term downward trend.

There were 15 deaths to Status Indian infants less than one year of age in 2002. The corresponding infant death rate was 4.8 per 1,000 live births. The Status Indian infant death rate was slightly higher than the 4.4 per 1,000 live births in the rest of the population. A lower percentage of Status Indian babies die within 27 days of birth compared to the rest of the province but more die between 28 days and one year of life.

There were 744 deaths of Status Indians in 2002. The crude rate of death was 49.0 deaths per 10,000 population but the age standardized mortality rate for this population was 79.1 deaths per 10,000 standard population. The difference between the crude death rate and the age-standardized rate indicates a high proportion of deaths in younger ages among the Status Indian population. This feature is confirmed by other, more precise, measures of age at death presented in the full report. A relatively large percentage (17 percent) of Status Indian deaths are from external causes. This is compared to five percent for the rest of the population.

(concluded on page 73)

Vital Statistics Information Box

(continued from page 72)

Overall, significant differences remain between the health of the Status Indian population of B.C. and the rest of the population. This is reflected in overall life expectancy at birth, which is 73.9 years for the Status Indian population and is 82.2 years for the rest of the provincial population. Improving the health outcomes of the province's Status Indian population is a priority for the government and a number of initiatives are underway.

Selected Population Health Indicators for the Status Indian Population of BC

Year		Population	Live Births [1]	Infant Deaths [2]	Deaths [3]	Death From External Causes [3]
1992	Count	110,005	3,151	49	784	210
	Rate		28.6	15.6	146.4	21.8
1993	Count	115,177	3,124	37	782	239
	Rate		27.1	11.8	139.0	23.7
1994	Count	121,621	3,197	31	694	208
	Rate		26.3	9.7	109.3	19.6
1995	Count	126,535	3,190	47	674	200
	Rate		25.2	14.7	95.5	19.2
1996	Count	130,806	3,249	33	697	188
	Rate		24.8	10.2	96.1	17.0
1997	Count	134,242	3,011	27	811	224
	Rate		22.4	9.0	109.6	19.6
1998	Count	136,659	3,039	14	788	200
	Rate		22.2	4.6	114.1	17.8
1999	Count	140,187	2,825	12	711	162
	Rate		20.2	4.2	96.9	13.8
2000	Count	144,213	3,251	13	689	153
	Rate		22.5	4.0	88.0	12.4
2001	Count	147,471	3,229	14	728	158
	Rate		21.9	4.3	87.8	12.9
2002	Count	151,783	3,133	15	744	126
	Rate		20.6	4.8	79.1	9.7

Notes: 1. Rate per 1,000 population
2. Rate per 1,000 live births
3. Rate per 10,000 standard population

TABLE 24
INFANT MORTALITY BY AGE OF MOTHER AND BIRTH WEIGHT
BRITISH COLUMBIA, 2003

Age of Mother	Birth Weight (in Grams)				Total		
	<1500	1500–2499	2500+	N.S.	Number	Percent	Rate
<20	5	-	9	-	14	8.6	9.49
20-24	19	4	11	1	35	21.5	5.78
25-29	18	5	9	1	33	20.2	2.93
30-34	20	5	15	-	40	24.5	3.00
35-39	16	6	7	1	30	18.4	4.42
40+	6	1	-	2	9	5.5	6.40
N.S.	-	-	-	2	2	1.2	
TOTAL	**84**	**21**	**51**	**7**	**163**	**100.0**	**4.05**
Percent	**51.5**	**12.9**	**31.3**	**4.3**	**100.0**		
Rate	**235.96**	**11.84**	**1.34**		**4.05**		

Note: Infant Mortality – Age at death less than one year.
Rate per 1,000 live births in the specified age or birth weight group.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.
N.S. – Not stated.

HIGHLIGHTS TO TABLE 24

- There were 163 infant deaths (under one year of age) in 2003, for an infant mortality rate of 4.05 infant deaths per 1,000 live births.
- In 2003, the highest infant mortality rate by mother's age was 9.49 deaths per 1,000 live births for mothers aged <20 years of age and the lowest rate was 2.93 for mothers aged 25-29.
- Low birth weight (less than 2,500 grams) and very low birth weight (less than 1,500 grams) are risk factors for infant mortality. Almost two thirds (64.4%) of the infants who died in 2003 had low birth weight (105 infant deaths), and half (51.5%) had very low birth weight (84).
- The infant mortality rate for births with very low birth weight (less than 1,500 grams) was almost one in four (235.96 per 1,000 live births). The mortality rate decreased significantly with increased birth weight; there were 11.84 infant deaths per 1,000 live births with birth weight between 1,500 and 2,499 grams, and only 1.34 infant deaths for every 1,000 live births with normal birth weight (2,500 grams or more).

TABLE 25
INFANT MORTALITY BY GESTATIONAL AGE AND BIRTH WEIGHT
BRITISH COLUMBIA, 2003

Gestational Age (In Weeks)	Birth Weight (in Grams)				Total		
	<1500	1500-2499	2500+	N.S.	Number	Percent	Rate
<20	5	-	-	1	6	3.7	1,000.00
20-27	71	-	-	1	72	44.2	428.57
28-36	8	14	1	1	24	14.7	8.84
37-41	-	7	50	1	58	35.6	1.57
42+	-	-	-	-	-	-	-
N.S.	-	-	-	3	3	1.8	
TOTAL	**84**	**21**	**51**	**7**	**163**	**100.0**	**4.05**
Percent	**51.5**	**12.9**	**31.3**	**4.3**	**100.0**		
Rate	**235.96**	**11.84**	**1.34**		**4.05**		

Note: Infant Mortality – Age at death less than one year.
Rate per 1,000 live births in the specified age or birth weight group.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.
N.S. – Not stated.

HIGHLIGHTS TO TABLE 25

- Prematurity (less than 37 weeks of gestation) and low birth weight (less than 2,500 grams at birth) are both important risk factors for infant mortality. About two thirds of infant deaths were premature (62.6%) or had low birth weight (64.4%), and 60.1% were both premature and low birth weight.
- Of the 163 infant deaths in the province in 2003, 58 were term (gestational age 37-41 weeks), 102 were premature (gestational age less than 37 weeks), and 3 did not have information on gestational age. Among term babies, there were 1.57 infant deaths per 1,000 live births. The infant mortality rate rose dramatically for premature infants; there were 8.84 infant deaths per 1,000 live births with a gestational age of 28 to 36 weeks, and 428.57 deaths per 1,000 live births with a gestational age of 20 to 27 weeks. Every live birth with a gestational age less than 20 weeks died.
- Of the 102 infant deaths that were premature, 98 were also low birth weight babies, and 76 of these were both extremely premature (gestational age of less than 28 weeks at birth) and very low birth weight (less than 1,500 grams).

INFANT MORTALITY BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1998–2002 AND 2003

Local Health Area		1998-2002 Observed Deaths	Ratio (p)	Rate	2003 Age at Death (in Days) 0–6	0–27	28–364	Total Number	Total Rate
001	Fernie	1	0.38	1.53	-	-	-	-	-
002	Cranbrook	2	0.43	1.72	-	-	1	1	4.35
003	Kimberley	1	0.82	3.28	-	-	1	1	19.23
004	Windermere	1	0.73	2.92	-	-	1	1	15.87
005	Creston	2	0.76	3.04	-	-	-	-	-
006	Kootenay Lake	1	1.38	5.52	1	1	-	1	33.33
007	Nelson	5	1.16	4.64	3	3	-	3	13.76
009	Castlegar	2	0.92	3.66	-	-	-	-	-
010	Arrow Lakes	1	1.12	4.46	-	-	-	-	-
011	Trail	4	1.29	5.16	2	2	-	2	15.15
012	Grand Forks	2	1.55	6.19	1	1	-	1	16.39
013	Kettle Valley	1	1.82	7.30	-	-	-	-	-
014	Southern Okanagan	3	1.09	4.35	-	-	-	-	-
015	Penticton	4	0.63	2.53	-	-	-	-	-
016	Keremeos	2	2.30	9.22	-	-	-	-	-
017	Princeton	2	3.25	12.99	-	-	-	-	-
018	Golden	1	0.68	2.72	-	-	-	-	-
019	Revelstoke	1	0.62	2.47	-	-	-	-	-
020	Salmon Arm	4	0.87	3.49	2	2	-	2	8.51
021	Armstrong-Spallumcheen	-	-	-	-	-	-	-	-
022	Vernon	6	0.56	2.26	-	1	-	1	2.00
023	Central Okanagan	25	0.92	3.70	-	-	3	3	2.30
024	Kamloops	21	1.14	4.57	2	2	3	5	5.64
025	100 Mile House	3	1.25	4.99	1	1	-	1	10.00
026	North Thompson	2	1.95	7.81	-	-	-	-	-
027	Cariboo-Chilcotin	12	1.81	7.24	1	1	-	1	3.34
028	Quesnel	7	1.33	5.34	2	3	-	3	13.39
029	Lillooet	1	0.82	3.29	-	-	-	-	-
030	South Cariboo	1	0.81	3.24	-	-	-	-	-
031	Merritt	3	1.32	5.27	-	-	-	-	-
032	Hope	4	2.59	10.36	-	-	-	-	-
033	Chilliwack	16	1.00	3.99	3	4	2	6	6.96
034	Abbotsford	30	0.95	3.79	3	3	1	4	2.36
035	Langley	20	0.81	3.22	5	5	1	6	4.91
037	Delta	11	0.54 *	2.15	2	2	1	3	2.88
038	Richmond	33	1.04	4.15	2	2	1	3	2.04
040	New Westminster	8	0.62	2.50	1	2	-	2	3.12
041	Burnaby	41	1.00	4.01	1	1	1	2	0.95
042	Maple Ridge	14	0.81	3.23	-	1	-	1	1.12
043	Coquitlam	32	0.75	2.99	9	12	2	14	6.78
044	North Vancouver	18	0.69	2.76	-	-	3	3	2.32
045	West Vancouver/Bowen Is.	2	0.33	1.33	1	1	-	1	3.06
046	Sunshine Coast	1	0.25	0.98	1	1	-	1	5.71
047	Powell River	5	1.53	6.11	-	1	-	1	7.52
048	Howe Sound	5	0.63	2.51	1	1	1	2	5.43
049	Bella Coola Valley	3	3.06	12.24	-	-	-	-	-
050	Queen Charlotte	2	1.45	5.81	-	-	-	-	-
051	Snow Country	-	-	-	-	-	-	-	-
052	Prince Rupert	4	0.91	3.63	-	-	1	1	4.74
053	Upper Skeena	2	1.28	5.13	-	-	-	-	-
054	Smithers	10	2.03	8.11	-	-	-	-	-
055	Burns Lake/Evtsuk	3	1.59	6.37	-	-	-	-	-
056	Nechako	5	1.02	4.07	-	-	1	1	4.50
057	Prince George	19	0.80	3.20	2	2	5	7	6.82
059	Peace River South	11	1.80	7.21	1	1	-	1	3.76
060	Peace River North	5	0.53	2.11	1	1	-	1	1.96
061	Greater Victoria	37	1.08	4.31	2	2	4	6	3.39
062	Sooke	8	0.70	2.82	1	1	2	3	5.61
063	Saanich	7	0.88	3.51	3	3	-	3	7.06
064	Gulf Islands	2	1.08	4.31	2	2	-	2	23.81
065	Cowichan	8	0.79	3.15	1	1	1	2	4.36
066	Lake Cowichan	2	1.94	7.78	-	-	-	-	-
067	Ladysmith	3	1.04	4.17	1	1	-	1	7.69
068	Nanaimo	16	0.93	3.72	2	2	3	5	6.08
069	Qualicum	3	0.61	2.45	-	1	-	1	4.20
070	Alberni	7	1.15	4.60	2	2	-	2	7.22
071	Courtenay	19	1.93 *	7.74	2	2	-	2	4.42
072	Campbell River	9	1.15	4.60	1	2	1	3	7.83
075	Mission	10	1.17	4.68	-	-	-	-	-
076	Agassiz-Harrison	1	0.62	2.46	1	1	-	1	11.76
077	Summerland	1	0.66	2.64	-	-	-	-	-
078	Enderby	5	3.76 *	15.06	1	1	-	1	20.00
080	Kitimat	3	1.17	4.67	1	1	-	1	12.35
081	Fort Nelson	2	1.10	4.40	-	-	-	-	-
083	Central Coast	3	6.30 +	25.21	2	2	-	2	66.67
084	Vancouver Island West	-	-	-	-	1	-	1	34.48
085	Vancouver Island North	9	2.56 *	10.25	3	3	1	4	27.03
087	Stikine	-	-	-	-	-	-	-	-
088	Terrace	5	0.87	3.48	-	1	-	1	3.91
092	Nisga'a	2	3.22	12.90	-	-	-	-	-
094	Telegraph Creek	-	-	-	1	1	-	1	125.00
161	Vancouver City Centre	10	0.70	2.81	1	1	-	1	1.29
162	Vancouver Downtown E. Side	15	1.63	6.54	3	3	-	3	6.47
163	Vancouver North East	31	1.36	5.43	5	5	1	6	5.44
164	Vancouver West Side	20	0.98	3.94	3	3	-	3	2.63
165	Vancouver Midtown	21	0.99	3.97	3	3	-	3	3.04
167	Vancouver South	20	0.79	3.15	3	4	1	5	3.94
201	Surrey	111	1.26 *	5.04	10	12	2	14	3.20
202	South Surrey/White Rock	9	0.95	3.78	-	-	-	-	-
	PROVINCIAL TOTAL	**822**	**1.00**	**4.00**	**102**	**118**	**45**	**163**	**4.05**

Note: *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). +Denotes significance based on less than five deaths. Rate per 1,000 live births in the specified Local Health Area. Ratio – observed over the expected deaths. Non-residents are excluded.

FIGURE 36

INFANT MORTALITY BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998-2002

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Areas

HIGHLIGHTS TO TABLE 26/FIGURE 36

- There were 4.05 infant deaths per 1,000 live births in 2003 and 4.00 per 1,000 live births in 1998-2002.
- Only ten Local Health Areas (LHAs) had five or more infant deaths in 2003, and 30 had no infant deaths in 2003. The highest infant mortality rate in 2003 based on five or more infant deaths was 6.96 in LHA 033 Chilliwack (6 infant deaths), and the lowest was 3.20 in LHA 201 Surrey (14 infant deaths).
- The LHA with the highest 1998-2002 infant mortality rate was 083 Central Coast with 25.21 infant deaths per 1,000 live births, but this rate is not considered reliable since it is based on only three infant deaths. There were four LHAs with infant mortality ratio that were statistically significant and high in 1998-2002, based on at least five deaths (with number of deaths in parentheses, and rate):

078 Enderby	3.76	(5)	15.06
085 Vancouver Island North	2.56	(9)	10.25
071 Courtenay	1.93	(19)	7.74
201 Surrey	1.26	(111)	5.04

- 037 Delta was the only LHA that had a 1998-2002 infant mortality ratio that was statistically significant and low (0.54 with 11 infant deaths and a rate of 2.15 infant deaths per 1,000 live births).
- Five LHAs had no infant deaths in 1998-2002.

TABLE 27
SELECTED CAUSES OF INFANT DEATHS AND STILLBIRTHS
BRITISH COLUMBIA, 2003

Cause of Death	ICD-10 Code(s)	Infant Deaths – Age Group (in Days) <7	7–27	28–364	Total	Rate [1]	Stillbirths Number	Rate [2]
Congenital anomalies								
- of the nervous system	Q00-Q07	-	-	-	-	-	2	0.49
- of the eye, ear, face & neck	Q10-Q18	-	-	-	-	-	-	-
- of the heart and circulatory system	Q20-Q28	2	2	3	7	1.74	1	0.25
- of the respiratory system	Q30-Q34	3	-	1	4	0.99	-	-
- of the digestive system	Q35-Q45	-	-	-	-	-	-	-
- of the genital organs	Q50-Q56	-	-	-	-	-	-	-
- of the urinary system	Q60-Q64	4	-	-	4	0.99	1	0.25
- of the musculoskeletal system	Q65-Q79	1	-	-	1	0.25	5	1.23
Other and multiple system syndromes	Q80-Q89	2	1	1	4	0.99	5	1.23
Chromosomal anomalies	Q90-Q99	7	2	2	11	2.73	5	1.23
Total deaths due to congenital anomalies	**Q00-Q99**	**19**	**5**	**7**	**31**	**7.70**	**19**	**4.68**
Perinatal conditions								
Infant affected by maternal factors	P00-P04	21	-	-	21	5.21	91	22.43
Premature/postmature and fetal growth disorders	P05-P08	28	-	1	29	7.20	4	0.99
Birth trauma	P10-P15	-	-	-	-	-	-	-
Respiratory and cardiovascular disorders	P20-P29	9	2	3	14	3.48	11	2.71
Infections specific to the perinatal period	P35-P39	2	2	1	5	1.24	-	-
Hemorrhage and hematological disorders	P50-P61	5	1	-	6	1.49	2	0.49
Transitory endocrine and metabolic disorders	P70-P74	-	-	-	-	-	2	0.49
Digestive system disorders of fetus and newborn	P75-P78	1	-	-	1	0.25	1	0.25
Other disorders originating in the perinatal period	P80-P94, P96	7	2	-	9	2.23	97	23.91
Fetal death of unknown cause	P95	-	-	-	-	-	60	14.79
Total deaths due to perinatal conditions	**P00-P96**	**73**	**7**	**5**	**85**	**21.10**	**268**	**66.05**
Pneumonia/influenza	J10-J18.1, J18.8-J18.9	-	-	2	2	0.50	-	-
Sudden infant death syndrome (SIDS)[3]	R95	-	-	8	8	1.99	-	-
Other causes[3]		10	4	23	37	9.18	2	0.49
TOTAL		**102**	**16**	**45**	**163**	**40.46**	**289**	**71.23**

Note: [1] Rate per 10,000 live births.
[2] Rate per 10,000 total births (live births plus stillbirths).
[3] Some of the infant deaths that were still under investigation (ICD-10 code R99) may later be identified as SIDS.
Non-residents are excluded.

HIGHLIGHTS TO TABLE 27

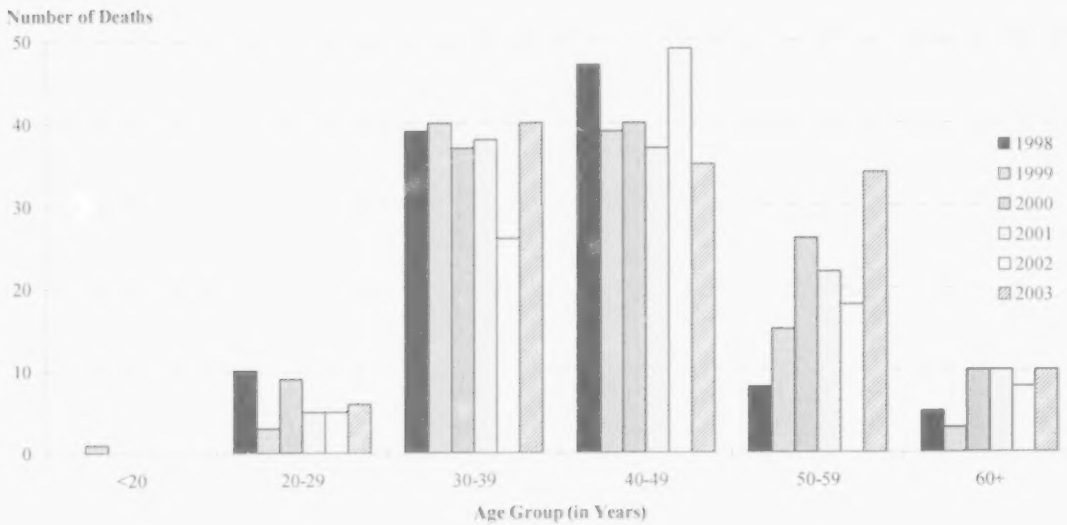
- There were 163 infant deaths (under one year of age) and 289 stillbirths in 2003.
- In 2003, perinatal conditions were the cause of death for half (52.1%) the infant deaths (85) and nine out of ten (92.7%) of the stillbirths (268). This cause includes the stillbirths with unknown cause of death (60). The infant mortality rate for perinatal conditions was 21.10 deaths per 10,000 live births, and the stillbirth rate for this cause was 66.05 per 10,000 total births.
- Congenital anomalies were responsible for almost one fifth (19.0%) of infant deaths (31) and about one out of 15 (6.6%) stillbirths (19) in 2003. The infant mortality rate for congenital anomalies was 7.70 deaths per 10,000 live births, and the stillbirth rate was 4.68 per 10,000 total births.
- Of the 102 deaths in the early neonatal period (age at death under 7 days), seven out of ten (71.6%) were due to perinatal conditions (73 deaths). The most common of these were premature/post mature and fetal growth disorders (28) and infant affected by maternal factors (21).
- There were 45 infant deaths in the post neonatal period (28 to 364 days after birth) including eight due to Sudden Infant Death Syndrome (SIDS). It should be noted that some of the infant deaths that are still under investigation may later be identified as SIDS.

TABLE 28
DEATHS DUE TO HIV DISEASE BY GENDER AND AGE GROUP
BRITISH COLUMBIA, 1988–2003

Year of Death	Gender	Age at Death (in Years) <20	20–29	30–39	40–49	50–59	60+	Total
1988	M	-	15	39	37	12	7	110
	F	1	1	-	1	1	-	4
	T	1	16	39	38	13	7	114
	Percent	0.9	14.0	34.2	33.3	11.4	6.1	100.0
1989	M	-	11	60	48	10	4	133
	F	1	2	1	-	1	-	5
	T	1	13	61	48	11	4	138
	Percent	0.7	9.4	44.2	34.8	8.0	2.9	100.0
1990	M	-	17	71	73	18	6	185
	F	-	1	-	1	1	-	3
	T	-	18	71	74	19	6	188
	Percent	-	9.6	37.8	39.4	10.1	3.2	100.0
1991	M	-	14	79	54	23	6	176
	F	-	-	1	-	-	1	2
	T	-	14	80	54	23	7	178
	Percent	-	7.9	44.9	30.3	12.9	3.9	100.0
1992	M	-	28	101	89	22	5	245
	F	-	1	3	2	-	-	6
	T	-	29	104	91	22	5	251
	Percent	-	11.6	41.4	36.3	8.8	2.0	100.0
1993	M	-	28	114	95	34	15	286
	F	-	3	8	2	1	1	15
	T	-	31	122	97	35	16	301
	Percent	-	10.3	40.5	32.2	11.6	5.3	100.0
1994	M	-	19	147	101	29	12	308
	F	2	5	10	2	2	2	23
	T	2	24	157	103	31	14	331
	Percent	0.6	7.3	47.4	31.1	9.4	4.2	100.0
1995	M	-	17	116	103	31	9	276
	F	-	6	7	4	1	1	19
	T	-	23	123	107	32	10	295
	Percent	-	7.8	41.7	36.3	10.8	3.4	100.0
1996	M	3	9	106	73	34	10	235
	F	-	4	6	6	-	1	17
	T	3	13	112	79	34	11	252
	Percent	1.2	5.2	44.4	31.3	13.5	4.4	100.0
1997	M	-	11	40	32	11	6	100
	F	-	2	7	4	1	2	16
	T	-	13	47	36	12	8	116
	Percent	-	11.2	40.5	31.0	10.3	6.9	100.0
1998	M	-	6	31	44	7	4	92
	F	-	4	8	3	1	1	17
	T	-	10	39	47	8	5	109
	Percent	-	9.2	35.8	43.1	7.3	4.6	100.0
1999	M	1	3	36	32	13	3	88
	F	-	-	4	7	2	-	13
	T	1	3	40	39	15	3	101
	Percent	1.0	3.0	39.6	38.6	14.9	3.0	100.0
2000	M	-	5	31	31	23	8	98
	F	-	4	6	9	3	2	24
	T	-	9	37	40	26	10	122
	Percent	-	7.4	30.3	32.8	21.3	8.2	100.0
2001	M	-	-	30	33	19	9	91
	F	-	5	8	4	3	1	21
	T	-	5	38	37	22	10	112
	Percent	-	4.5	33.9	33.0	19.6	8.9	100.0
2002	M	-	4	20	37	15	8	84
	F	-	1	6	12	3	-	22
	T	-	5	26	49	18	8	106
	Percent	-	4.7	24.5	46.2	17.0	7.5	100.0
2003	M	-	2	34	25	31	10	102
	F	-	4	6	10	3	-	23
	T	-	6	40	35	34	10	125
	Percent	-	4.8	32.0	28.0	27.2	8.0	100.0
1988-2003	**M**	**4**	**189**	**1,055**	**907**	**332**	**122**	**2,609**
	F	**4**	**43**	**81**	**67**	**23**	**12**	**230**
	T	**8**	**232**	**1,136**	**974**	**355**	**134**	**2,839**
	Percent	**0.3**	**8.2**	**40.0**	**34.3**	**12.5**	**4.7**	**100.0**

Note: HIV Disease – ICD-10 codes B20–B24.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

FIGURE 37
DEATHS DUE TO HIV DISEASE BY AGE GROUP
BRITISH COLUMBIA, 1998–2003



HIGHLIGHTS TO TABLE 28/FIGURE 37

- There were 125 deaths from HIV disease in 2003, an increase from 106 deaths in 2002. Since 1988, there have been 2,839 HIV disease deaths in the province.
- The number of deaths from HIV disease peaked at 331 in 1994. The largest decrease occurred when the number of HIV disease deaths dropped from 252 in 1996 to 116 in 1997.
- Over the 15 year period from 1988-2003, the majority of all HIV disease deaths (91.9%) were males (2,609 deaths); only 8.1% (230 deaths) were female. The largest number of female deaths due to HIV disease deaths (24) occurred in 2000.
- For the 1988-2003 period, out of 100 deaths from HIV disease, approximately:
  - 8 were in the 20-29 year age group (232)
  - 40 were in the 30-39 year age group (1,136)
  - 34 were in the 40-49 year age group (974)
  - 13 were in the 50-59 year age group (355)
  - 5 were at least 60 years of age (134).
- There were only 8 deaths from HIV disease in 1988-2003 to children and teens (age less than 20 years old).
- In the 30-39 year age group, the annual number of deaths from HIV disease decreased from more than a hundred in 1996, to less than 50 each year from 1997-2003. The 40-49 age group had 79 deaths in 1996, and less than 50 each year from 1997-2003. Although the number of HIV disease deaths was small for the 20-29, 50-59, and 60+ age groups, these age groups showed a generally decreasing trend in recent years.

TABLE 29
DEATHS DUE TO HIV DISEASE BY HEALTH SERVICE DELIVERY AREA
BRITISH COLUMBIA, 1988–2003

Health Service Delivery Area	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1988–2003 Number	Percent	Rate
11 East Kootenay	-	-	-	1	-	-	-	1	-	2	-	-	-	1	-	1	6	0.2	0.49
12 Kootenay Boundary	-	-	2	-	-	1	1	3	2	-	1	1	-	-	2	-	13	0.5	1.04
13 Okanagan	3	1	1	1	9	9	6	9	7	2	4	2	3	3	3	6	69	2.4	1.54
14 Thompson Cariboo Shuswap	-	-	3	3	3	4	3	-	3	2	2	2	2	6	2	4	39	1.4	1.20
21 Fraser East	-	4	2	1	4	6	7	6	7	1	5	3	3	2	4	1	56	2.0	1.59
22 Fraser North	8	16	16	14	15	22	25	21	15	8	6	6	11	8	10	10	211	7.4	2.77
23 Fraser South	4	8	6	10	14	12	18	17	23	6	4	11	7	11	10	7	168	5.9	2.01
31 Richmond	4	-	6	6	5	1	6	4	4	5	2	2	1	1	-	1	48	1.7	2.00
32 Vancouver	72	86	124	109	149	197	203	182	145	65	64	52	73	60	62	73	1,716	60.4	20.11
33 North Shore/ Coast Garibaldi	8	7	11	9	14	16	15	12	11	7	5	5	3	4	2	6	135	4.8	3.40
41 South Vancouver Island	7	12	12	16	20	21	28	17	21	10	10	13	7	9	3	8	214	7.5	4.13
42 Central Vancouver Island	1	4	1	4	16	6	13	14	6	4	3	4	8	4	4	4	96	3.4	2.73
43 North Vancouver Island	4	-	2	1	1	3	3	2	1	1	-	-	4	2	-	1	25	0.9	1.44
51 North West	-	-	1	-	1	1	-	2	1	-	-	-	-	-	-	-	6	0.2	0.44
52 Northern Interior	3	-	1	1	-	2	2	4	5	2	2	-	-	1	3	3	29	1.0	1.22
53 Peace Liard	-	-	-	2	-	-	1	1	-	-	1	-	-	-	1	-	6	0.2	0.61
N.S.	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2	0.1	
PROVINCIAL TOTAL	**114**	**138**	**188**	**178**	**251**	**301**	**331**	**295**	**252**	**116**	**109**	**101**	**122**	**112**	**106**	**125**	**2,839**	**100.0**	**4.75**

Note: Health Service Delivery Area based on usual residence.
Rate per 100,000 population in specified area.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded. N.S. – Not stated.

HIGHLIGHTS TO TABLE 29

- Over the fifteen-year period 1988-2003, 60.4% of the 2,839 deaths from HIV disease were to residents of the Vancouver Health Service Delivery Area (1,716 deaths). In 2003, 73 of the 125 HIV disease deaths (58.4%) were residents of Vancouver. Treatment facilities and other supports centered in the Vancouver HSDA account for some of the concentration of cases in that area.
- The 1988-2003 provincial rate for deaths due to HIV disease was 4.75 per 100,000 population. HSDA 32 Vancouver was the only area with a rate (20.11) that exceeded the provincial rate. The five Health Service Delivery Areas with the next highest rates for deaths due to HIV disease (total deaths for 1988-2003 in parentheses) were:

41	South Vancouver Island	(214)	4.13
33	North Shore/Coast Garibaldi	(135)	3.40
22	Fraser North	(211)	2.77
42	Central Vancouver Island	(96)	2.73
23	South Fraser	(168)	2.01

TABLE 30
EXTERNAL CAUSES OF DEATH BY GENDER
BRITISH COLUMBIA, 2003

Cause of Death	ICD-10 Code	Male		Female		Total	
		Number	ASMR	Number	ASMR	Number	ASMR
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	256	1.25	120	0.52	376	0.89
Other transport accidents	V01, V05-V06, V10-V11, V15-V18, V198-V199, V800-V802, V806-V809, V812-V819, V822-V829, V891, V893, V91, V93-V99, Y859	12	0.05	5	0.02	17	0.04
Accidental falls	W00-W19	153	0.69	176	0.48	329	0.57
Accident caused by machinery	W24, W28-W31	7	0.03	1	0.01	8	0.02
Accidental firearm discharge	W32-W34	4	0.02	1	0.01	5	0.01
Exposure to smoke, fire and flames	X00-X09	14	0.06	5	0.02	19	0.04
Accidental drowning (including water transport)	V90, V92, W65-W74	47	0.23	9	0.04	56	0.14
Accidental poisoning	X40-X49	153	0.72	54	0.26	207	0.49
All other accidents	W20-W23, W25-W27, W35-W64, W75-W99, X10-X39, X50-X59, Y35-Y36, Y40-Y84, Y88	78	0.37	51	0.17	129	0.27
Suicide	X60-X84, Y870	322	1.50	102	0.46	424	0.97
Homicide	X85-Y09, Y871	15	0.07	8	0.04	23	0.06
External events of undertermined intent	Y10-Y34, Y872	13	0.06	7	0.03	20	0.04
Sequelae of other external causes	Y86, Y89	4	0.02	4	0.01	8	0.02
TOTAL		**1,078**	**5.08**	**543**	**2.08**	**1,621**	**3.56**

Note: ASMR – Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
Some cause of death categories are different from those in previous publications. Non-residents are excluded.

HIGHLIGHTS TO TABLE 30

Some external cause of death categories are different from those used previously, so readers should avoid comparisons with tables in earlier publications.

- External causes of death include all deaths from accidents, suicide, homicide, and deaths of undetermined intent. In 2003, there were 1,621 deaths from external causes among B.C. residents.
- Out of every 1,000 of all deaths in 2003, approximately :
  - 944 deaths were from natural causes (please refer to Table 21)
  - 56 deaths were from external causes, including
    - ~ 15 suicides (424)
    - ~ 13 motor vehicle accidents (376)
    - ~ 11 were accidental falls (329)
    - ~ 7 were accidental poisoning (207)
    - ~ 2 were accidental drowning (56)
    - ~ 1 was a victim of homicide (23)
    - ~ 1 was from an event of undetermined intent (20)
    - ~ 1 was from exposure to smoke, fire, and flames (19)
    - ~ 1 was from other transport accidents (17)
- The Age Standardized Mortality Rate (ASMR) for deaths from external causes was 3.56 deaths per 10,000 standard population in 2003. The ASMR for males was 5.08; the ASMR for females was 2.08 in 2003. About two thirds of the deaths from external causes (66.5%) were male.
- The leading causes of death from external causes are shown below by gender, ranked by number of deaths in 2003 (with ASMRs per 10,000 male or female standard population in parentheses):

Males			*Females*		
Suicide	322	(1.50)	Accidental falls	176	(0.48))
Motor vehicle accidents	256	(1.25)	Motor vehicle accidents	120	(0.52)
Accidental poisoning	153	(0.72)	Suicide	102	(0.46)
Accidental falls	153	(0.69)	Accidental poisoning	54	(0.26)

Table 31

EXTERNAL CAUSES OF DEATH BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1998–2002 AND 2003

	Local Health Area	Motor Vehicle Accidents	Other Transport Accidents	Accidental		Fire/ Flames	Accidental Drowing	Suicide	Homicide	Other	Total	
				Poisoning	Falls						Deaths	ASMR
001	Fernie	2	-	-	-	-	-	1	-	3	6	5.27
002	Cranbrook	3	-	2	3	-	1	2	1	-	12	4.52
003	Kimberley	1	-	2	-	-	-	1	-	1	5	6.61
004	Windermere	2	-	-	1	-	-	1	-	2	6	5.32
005	Creston	1	-	-	1	-	-	2	-	-	4	3.35
006	Kootenay Lake	2	-	-	3	-	-	1	-	-	6	10.14
007	Nelson	4	-	-	3	-	-	1	-	1	9	2.46
009	Castlegar	2	-	-	1	-	-	-	1	1	5	3.94
010	Arrow Lakes	2	-	-	-	-	1	-	-	1	4	6.80
011	Trail	1	-	-	3	-	1	3	-	1	9	4.74
012	Grand Forks	1	-	-	3	-	1	-	-	-	5	3.80
013	Kettle Valley	1	-	-	-	-	-	-	-	-	1	1.57
014	Southern Okanagan	4	-	1	3	-	1	3	-	1	13	6.44
015	Penticton	3	1	2	5	-	-	8	1	-	20	4.33
016	Keremeos	-	1	-	-	-	-	2	-	2	5	9.02
017	Princeton	1	-	-	2	-	-	-	-	-	3	5.24
018	Golden	-	-	-	-	-	-	2	-	-	2	2.07
019	Revelstoke	-	-	2	-	-	-	-	-	-	2	3.68
020	Salmon Arm	4	-	2	2	-	-	2	1	2	13	5.11
021	Armstrong-Spallumcheen	3	1	-	1	-	1	1	-	-	7	6.05
022	Vernon	8	-	7	8	-	-	3	-	5	31	4.55
023	Central Okanagan	22	1	6	16	2	-	21	-	6	74	4.00
024	Kamloops	14	1	3	11	1	2	18	1	3	54	5.12
025	100 Mile House	3	-	-	3	-	2	3	-	-	11	10.18
026	North Thompson	4	-	-	1	-	-	-	-	-	5	10.27
027	Cariboo-Chilcotin	4	-	3	2	1	1	2	-	4	17	6.43
028	Quesnel	5	-	1	3	1	1	2	1	-	14	5.37
029	Lillooet	2	-	-	-	-	-	-	-	-	2	5.38
030	South Cariboo	5	-	-	1	-	-	1	-	-	7	10.17
031	Merritt	2	-	1	-	-	-	-	-	1	4	4.07
032	Hope	-	-	-	1	-	-	3	-	-	4	3.22
033	Chilliwack	8	-	3	4	-	-	8	-	4	27	3.58
034	Abbotsford	12	-	4	5	-	1	11	-	9	42	3.10
035	Langley	6	-	6	9	1	-	11	-	6	39	3.13
037	Delta	9	-	5	3	1	1	6	-	2	27	2.90
038	Richmond	5	-	2	7	-	2	8	-	5	29	1.50
040	New Westminster	-	-	6	2	-	-	7	1	2	18	2.30
041	Burnaby	10	-	7	14	1	3	18	-	6	59	2.57
042	Maple Ridge	11	-	2	4	-	2	9	1	2	31	3.48
043	Coquitlam	11	1	4	11	-	2	16	1	5	51	2.60
044	North Vancouver	5	-	6	8	-	2	10	-	1	32	2.08
045	West Vancouver-Bowen Is.	1	-	1	5	-	-	6	1	2	16	2.20
046	Sunshine Coast	1	-	1	-	1	-	5	-	1	9	4.14
047	Powell River	3	-	-	3	-	-	1	-	-	7	2.35
048	Howe Sound	4	-	1	3	-	2	4	1	3	18	5.93
049	Bella Coola Valley	4	-	-	-	-	-	1	-	2	7	25.36
050	Queen Charlotte	-	-	-	-	-	-	-	-	1	1	2.05
051	Snow Country	1	-	-	-	-	-	-	-	-	1	13.23
052	Prince Rupert	4	-	-	-	-	-	1	-	3	8	5.14
053	Upper Skeena	-	-	-	1	-	2	1	-	-	4	6.88
054	Smithers	4	1	-	-	-	-	3	-	-	8	4.39
055	Burns Lake	1	-	-	2	-	-	1	-	-	4	5.60
056	Nechako	4	-	1	2	-	1	2	-	1	11	7.20
057	Prince George	17	2	8	5	-	-	8	-	5	45	4.37
059	Peace River South	8	-	3	4	-	1	-	-	-	16	6.14
060	Peace River North	7	-	-	3	-	-	5	-	2	17	6.19
061	Greater Victoria	12	-	14	35	-	3	21	-	9	94	3.15
062	Sooke	5	1	4	4	-	-	5	-	1	20	3.48
063	Saanich	8	-	-	10	-	1	6	-	3	28	3.31
064	Gulf Islands	2	-	1	3	-	-	5	-	-	11	6.36
065	Cowichan	6	-	1	8	1	2	7	-	-	25	4.32
066	Lake Cowichan	-	-	-	-	-	-	1	-	-	1	1.37
067	Ladysmith	5	-	1	1	-	-	5	-	-	12	6.11
068	Nanaimo	9	2	2	16	2	4	15	3	7	60	5.68
069	Qualicum	4	-	-	5	1	-	5	-	5	20	3.70
070	Alberni	3	-	2	1	-	-	1	-	2	9	3.19
071	Courtenay	3	-	2	5	-	1	3	-	3	17	2.86
072	Campbell River	3	-	5	1	-	-	6	-	3	18	4.42
075	Mission	2	1	3	1	-	1	6	-	1	15	4.15
076	Agassiz-Harrison	1	-	1	2	-	-	-	-	1	5	5.29
077	Summerland	2	-	-	2	-	-	1	-	1	6	2.57
078	Enderby	2	-	-	-	-	-	-	-	-	2	2.17
080	Kitimat	2	-	-	1	-	1	1	-	2	7	6.24
081	Fort Nelson	3	-	-	-	-	-	-	-	1	4	9.54
083	Central Coast	-	-	-	1	-	-	-	-	-	1	8.55
084	Vancouver Island West	-	-	-	-	-	-	-	-	-	-	-
085	Vancouver Island North	-	-	2	-	-	-	1	1	2	6	3.70
087	Stikine	1	-	-	-	-	1	-	-	-	2	20.09
088	Terrace	1	1	-	3	1	1	4	-	1	12	6.33
092	Nisga'a	-	-	-	-	-	-	2	-	1	3	17.58
094	Telegraph Creek	-	-	-	-	-	1	1	-	-	2	27.51
161	Vancouver City Centre	2	-	14	8	2	1	16	1	7	51	4.45
162	Vancouver Downtown E. Side	2	1	18	7	-	1	17	2	-	48	8.20
163	Vancouver North East	3	-	6	5	-	-	8	-	2	24	2.16
164	Vancouver West Side	4	1	3	2	-	-	5	-	8	23	1.68
165	Vancouver Midtown	3	-	5	3	-	-	7	-	1	19	1.99
166	Vancouver South	4	1	2	6	1	-	7	1	3	25	1.65
201	Surrey	37	-	21	14	1	5	30	3	7	118	3.72
202	South Surrey/White Rock	5	-	3	13	-	1	10	1	3	36	3.60
	PROVINCIAL TOTAL	376	17	207	329	19	56	424	23	170	1,621	3.56
	PERCENT	23.2	1.0	12.8	20.3	1.2	3.5	26.2	1.4	10.5	100.0	

Note: Notes for table follow table highlights.

HIGHLIGHTS TO TABLE 31

External causes of deaths are shown in this table based on the Local Health Area (LHA) of usual residence of the decedent, not the location where the death occurred.

- The Age Standardized Mortality Rate (ASMR) for external causes of death was 3.56 deaths per 10,000 standard population. There were 46 Local Health Areas (LHAs) with five or more deaths from external causes and ASMRs greater than the provincial rate and 20 with five or more deaths and ASMRs below the provincial rate. LHA 084 Vancouver Island West had no deaths from external causes in 2003.
- During 2003, suicides (424 deaths) and motor vehicle accidents (376) each accounted for approximately one in four deaths due to external causes (26.2% and 23.2% respectively). Accidental falls (329) accounted for about a fifth (20.3%) and accidental poisoning (207) accounted for about one eighth (12.8%) of the external causes of death.
- Deaths from motor vehicle accidents (MVA) in 2003 occurred most often to residents of LHA 201 Surrey (37 deaths), and 023 Central Okanagan (22).
- Accidental poisoning deaths in 2003 occurred most often to residents of LHA 201 Surrey (21 deaths) and 162 Vancouver Downtown East Side (18).
- Deaths from accidental falls in 2003 occurred most often to residents of LHA 061 Greater Victoria (35 deaths).
- Deaths from suicide in 2003 occurred most often to residents of LHA 201 Surrey (30 deaths).

Notes to Table 31

Note: Based on usual residence. ASMR – Age standardized mortality rate per 10,000 standard population (Canada 1991 Census). PERCENT – Provincial total for each cause as a percent of the Provincial total for all deaths from external causes. Other is comprised of accident caused by machinery, accidental firearm discharge, other accidents, external event of undetermined intent, and sequelae of other external causes. Non-residents excluded. Some categories are different from those in previous publications.

TABLE 32
SUICIDE DEATHS BY MONTH AND GENDER
BRITISH COLUMBIA, 2003

Month	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
January	23	7.1	15	14.7	38	9.0
February	29	9.0	3	2.9	32	7.5
March	31	9.6	6	5.9	37	8.7
April	33	10.2	11	10.8	44	10.4
May	29	9.0	8	7.8	37	8.7
June	30	9.3	6	5.9	36	8.5
July	28	8.7	13	12.7	41	9.7
August	16	5.0	7	6.9	23	5.4
September	27	8.4	6	5.9	33	7.8
October	23	7.1	14	13.7	37	8.7
November	26	8.1	3	2.9	29	6.8
December	27	8.4	10	9.8	37	8.7
TOTAL	**322**	**100.0**	**102**	**100.0**	**424**	**100.0**

Note: Suicide Deaths – ICD-10 codes X60–X84, Y87.0.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

HIGHLIGHTS TO TABLE 32

- Of the 424 suicide deaths in the province in 2003, three quarters (75.9% or 322 deaths) were male.
- The distribution of suicide deaths by month varies from year to year. In 2003 April had the largest number of deaths from suicide (44) and August had the least (23).
- Male deaths from suicide were also highest in April (33 deaths) and lowest in August (16). Female suicide deaths were highest in January (15 deaths) and lowest in February and November (3 each).

Vital Statistics Information Box

Dementia Related Deaths in British Columbia, 1986-2003

Dementia is a syndrome which includes loss of memory, judgment, reasoning, and ability to function. Dementia can be identified on the death certificate as the Underlying Cause of Death (UCOD) or as a contributing factor to the cause of death (not UCOD). The following table highlights some causes of death for B.C. residents where dementia was mentioned on the death certificate as a contributing factor, but not the underlying cause for the years 1986-2003.

Underlying Cause of Death	Relationship to Dementias	Number of Deaths
Alzheimer's disease, unspecified (G309)	Alzheimer's disease causes cerebral degeneration leading to dementia	6,264
Parkinson's disease (G20)	Causes neurological deterioration which can lead to dementia	426
Cardiovascular Disease (I251, I258, I259, I500, I709)	Atherosclerosis of cerebral vessels can cause some forms of dementia (e.g. multi-infarct and vascular dementia) due to reduced or interrupted blood flow to brain	3,384
Cerebrovascular Disease (I672, I639, I64, I679)	Cerebrovascular Disease is a significant cause of dementia (vascular dementia and multi-infarct dementia)	3,057
Chronic Obstructive Pulmonary Disease (COPD) (J449)	This is probably more of a "coincidental" phenomenon. COPD is generally caused by smoking which can also cause atherosclerotic disease, which can lead to cerebral atherosclerosis => cerebrovascular dementia caused by poor blood flow to brain	908
Pneumonia/Influenza (J111, J110, J118, J180, J189)	Physical debility caused by dementia increases vulnerability to infectious diseases . Also if the person lives in a nursing home, this increases exposure to infections like influenza (via contact with staff, visitors, other residents etc.)	3,846
Aspiration pneumonia due to food and vomit (J690)	Cerebral degeneration/dementia can lead to swallowing difficulties(dysphagia) causing aspiration of food etc. into lungs which can cause aspiration pneumonia	215
Fall involving other furniture, Unspecified Falls (W08, W19)	Dementia causes poor judgement, physical debility, making the individual more prone to falls	569

ICD-10 Codes for Dementia

B220	HIV resulting in encephalopathy	F03	Unspecified dementia
F01	Vascular dementia	F0300	Dementia NOS
F010	Vascular dementia of acute onset	F051	Delirium superimposed on dementia
F011	Multi-infarct dementia	F107	Residual and late-onset alcoholic psychotic disorder
F012	Subcortical vascular dementia	G300	Alzheimer's disease with early onset
F013	Mixed cortical and subcortical vascular dementia	G301	Alzheimer's disease with late onset
		G308	Other Alzheimer's disease
F018	Other vascular dementia	G309	Alzheimer's disease, unspecified
F019	Vascular dementia, unspecified	G3101	Pick's disease

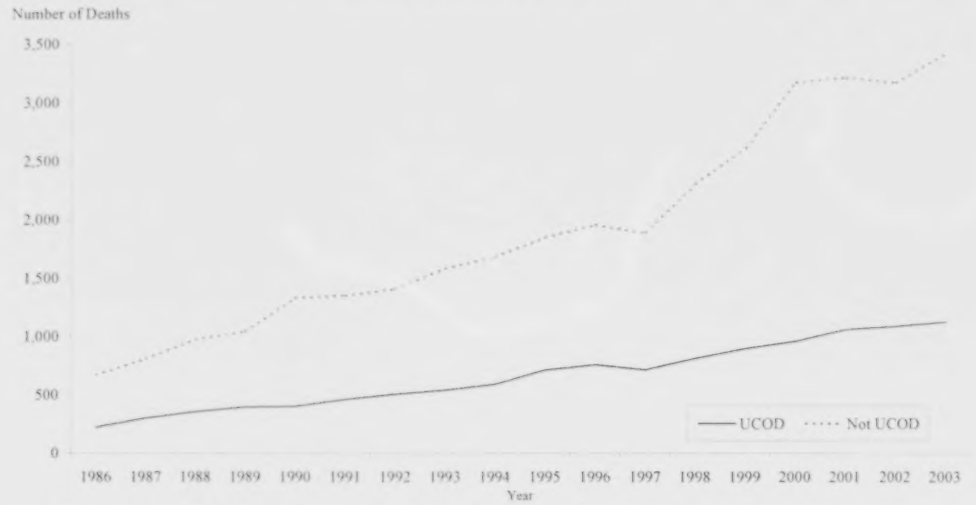
(continued on page 87)

(continued from page 86)

Vital Statistics Information Box

Dementia Related Deaths

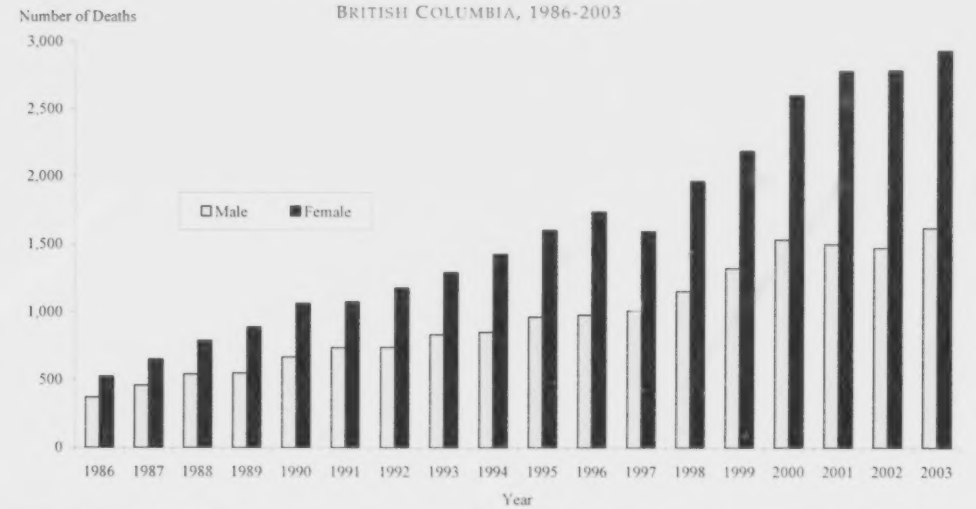
British Columbia, 1986-2003



- **There are more deaths where Dementia is mentioned on the death certificate as a contributing factor but is not the underlying cause of death for B. C. residents for the time period 1986-2003 than deaths where Dementia is the underlying cause of death (UCOD).**
- **Deaths where Dementia is a contributing factor are increasing faster than deaths where Dementia is the underlying cause of death.**

Dementia Related Deaths by Gender

British Columbia, 1986-2003



- **Dementia, found anywhere on the death certificate, either as the underlying cause or as a contributing factor, has affected mortality for a greater number of women than men in B.C. for the period 1986-2003.**

Table 33

STANDARDIZED MORTALITY RATIO - ALL CAUSES OF DEATH BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1998–2002 AND 2003

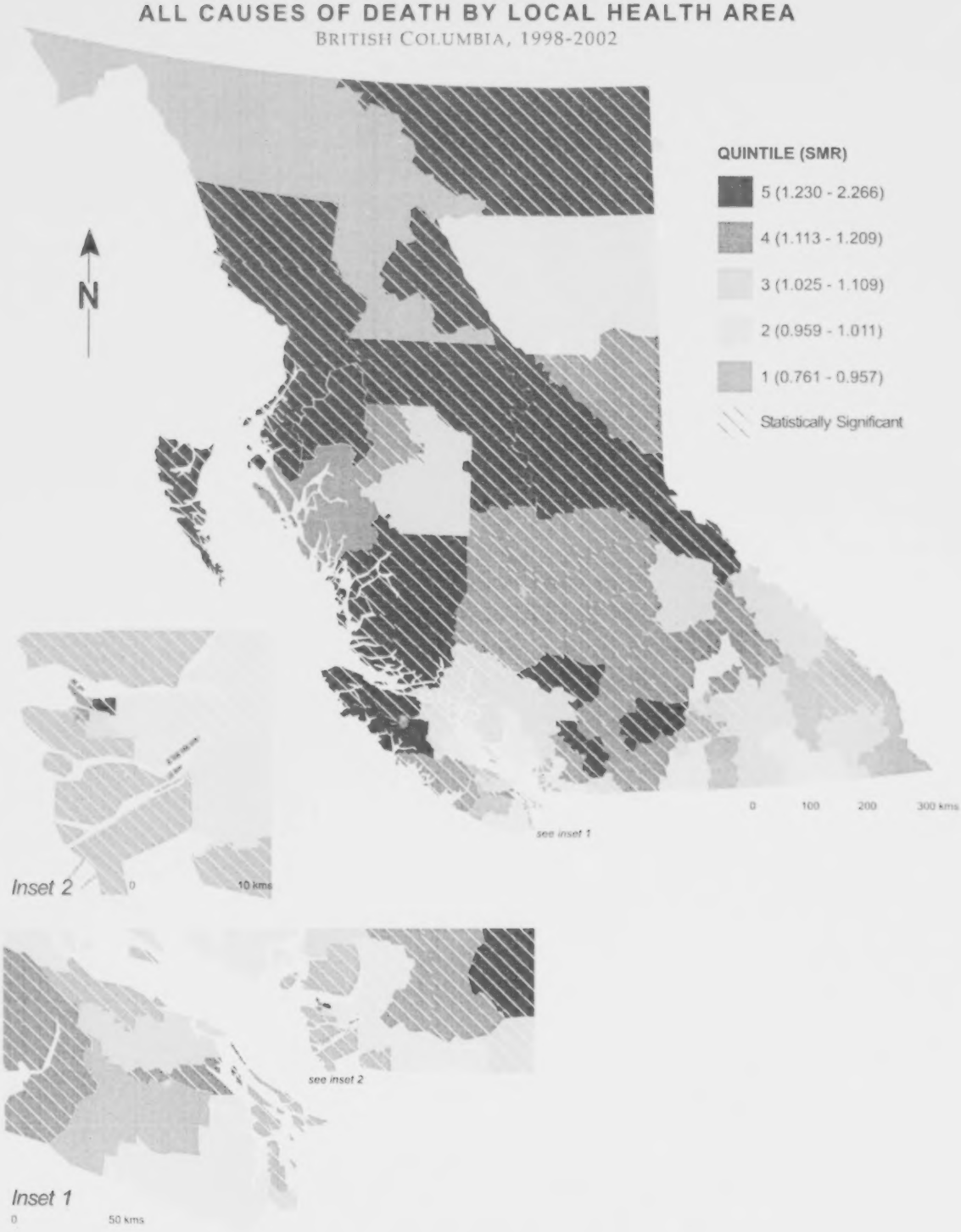
Local Health Area		1998–2002 Observed Deaths	1998–2002 SMR	(p)	2003 Observed Deaths	2003 Expected Deaths	2003 SMR	(p)	95% Confidence Interval Lower		Upper
001	Fernie	379	0.96		82	79.36	1.03		0.82	-	1.28
002	Cranbrook	838	1.04		178	169.06	1.05		0.90	-	1.22
003	Kimberley	409	1.03		78	80.36	0.97		0.77	-	1.21
004	Windermere	220	0.83	*	43	54.92	0.78		0.57	-	1.05
005	Creston	678	1.00		120	135.31	0.89		0.74	-	1.06
006	KootenaY Lake	136	0.89		35	31.23	1.12		0.78	-	1.56
007	Nelson	891	1.00		206	179.88	1.15		0.99	-	1.31
009	Castlegar	546	1.09		108	102.20	1.06		0.87	-	1.28
010	Arrow Lakes	239	1.05		54	46.86	1.15		0.87	-	1.50
011	Trail	1,027	1.09	*	219	189.06	1.16	*	1.01	-	1.32
012	Grand Forks	449	1.04		88	86.88	1.01		0.81	-	1.25
013	Kettle Valley	124	0.92		22	28.72	0.77		0.48	-	1.16
014	Southern Okanagan	1,162	0.97		253	245.69	1.03		0.91	-	1.16
015	Penticton	2,302	0.97		505	487.20	1.04		0.95	-	1.13
016	Keremeos	260	0.96		58	58.12	1.00		0.76	-	1.29
017	Princeton	246	1.17	*	50	45.60	1.10		0.81	-	1.45
018	Golden	183	1.07		26	36.76	0.71		0.46	-	1.04
019	Revelstoke	280	1.17	*	51	50.72	1.01		0.75	-	1.32
020	Salmon Arm	1,411	0.99		311	292.43	1.06		0.95	-	1.19
021	Armstrong-Spallumcheen	354	0.95		76	77.99	0.97		0.77	-	1.22
022	Vernon	2,632	1.04	*	555	527.72	1.05		0.97	-	1.14
023	Central Okanagan	6,082	0.91	*	1,411	1,400.33	1.01		0.96	-	1.06
024	Kamloops	3,597	1.13	*	790	662.37	1.19	*	1.11	-	1.28
025	100 Mile House	545	1.16	*	121	95.99	1.26	*	1.05	-	1.51
026	North Thompson	125	1.07		25	26.21	0.95		0.62	-	1.41
027	Cariboo-Chilcotin	726	1.13	*	169	133.10	1.27	*	1.09	-	1.48
028	Quesnel	773	1.16	*	171	136.95	1.25	*	1.07	-	1.45
029	Lillooet	174	1.38	*	36	26.85	1.34		0.94	-	1.86
030	South Cariboo	310	1.17	*	74	54.42	1.36	*	1.07	-	1.71
031	Merritt	464	1.36	*	87	70.20	1.24		0.99	-	1.53
032	Hope	407	1.20	*	79	69.89	1.13		0.89	-	1.41
033	Chilliwack	2,905	1.06	*	611	572.63	1.07		0.98	-	1.16
034	Abbotsford	4,136	0.97		834	883.14	0.94		0.88	-	1.01
035	Langley	3,596	0.99		756	732.97	1.03		0.96	-	1.11
037	Delta	2,685	0.91	*	570	571.39	1.00		0.92	-	1.08
038	Richmond	4,031	0.80	*	842	1,146.13	0.73	*	0.69	-	0.79
040	New Westminster	2,544	1.16	*	454	453.26	1.00		0.91	-	1.10
041	Burnaby	6,695	0.97	*	1,398	1,454.68	0.96		0.91	-	1.01
042	Maple Ridge	2,372	1.11	*	573	462.87	1.24	*	1.14	-	1.34
043	Coquitlam	4,382	0.97	*	980	1,001.43	0.98		0.92	-	1.04
044	North Vancouver	3,963	0.94	*	787	891.49	0.88	*	0.82	-	0.95
045	West Vancouver-Bowen Is.	2,267	0.83	*	455	567.61	0.80	*	0.73	-	0.88
046	Sunshine Coast	1,164	1.00		240	241.69	0.99		0.87	-	1.13
047	Powell River	860	1.03		180	170.54	1.06		0.91	-	1.22
048	Howe Sound	529	1.06		112	106.39	1.05		0.87	-	1.27
049	Bella Coola Valley	90	1.27	*	24	15.12	1.59	*	1.02	-	2.36
050	Queen Charlotte	146	1.34	*	15	22.57	0.66		0.37	-	1.10
051	Snow Country	24	2.06	*	3	2.23	1.35		0.27	-	3.94
052	Prince Rupert	476	1.27	*	68	70.48	0.96		0.75	-	1.22
053	Upper Skeena	137	1.29	*	22	22.87	0.96		0.60	-	1.46
054	Smithers	385	1.13	*	87	69.80	1.25		1.00	-	1.54
055	Burns Lake	214	1.11		45	41.03	1.10		0.80	-	1.47
056	Nechako	456	1.27	*	95	74.52	1.27	*	1.03	-	1.56
057	Prince George	2,392	1.23	*	503	400.92	1.25	*	1.15	-	1.37
059	Peace River South	783	1.21	*	167	129.39	1.29	*	1.10	-	1.50
060	Peace River North	533	0.98		152	113.20	1.34	*	1.14	-	1.57
061	Greater Victoria	11,178	1.03	*	2,121	2,178.24	0.97		0.93	-	1.02
062	Sooke	1,439	1.01		318	299.26	1.06		0.95	-	1.19
063	Saanich	2,846	0.85	*	593	703.62	0.84	*	0.78	-	0.91
064	Gulf Islands	651	0.83	*	132	164.15	0.80	*	0.67	-	0.95
065	Cowichan	1,991	0.99		433	418.02	1.04		0.94	-	1.14
066	Lake Cowichan	188	0.92		47	43.88	1.07		0.79	-	1.42
067	Ladysmith	861	1.14	*	165	154.13	1.07		0.91	-	1.25
068	Nanaimo	3,707	1.02		831	759.77	1.09	*	1.02	-	1.17
069	Qualicum	2,120	0.94	*	461	471.63	0.98		0.89	-	1.07
070	Alberni	1,258	1.17	*	270	218.55	1.24	*	1.09	-	1.39
071	Courtenay	2,164	1.01		467	445.98	1.05		0.95	-	1.15
072	Campbell River	1,197	1.08	*	272	232.20	1.17	*	1.04	-	1.32
075	Mission	1,214	1.18	*	265	212.51	1.25	*	1.10	-	1.41
076	Agassiz-Harrison	322	1.24	*	53	55.23	0.96		0.72	-	1.26
077	Summerland	740	1.03		149	144.07	1.03		0.87	-	1.21
078	Enderby	340	1.15	*	59	59.60	0.99		0.75	-	1.28
080	Kitimat	252	1.13		49	45.64	1.07		0.79	-	1.42
081	Fort Nelson	86	1.30	*	14	12.99	1.08		0.59	-	1.81
083	Central Coast	71	2.27	*	15	5.95	2.52	*	1.41	-	4.16
084	Vancouver Island West	51	1.28		7	7.46	0.94		0.38	-	1.93
085	Vancouver Island North	312	1.28	*	65	47.50	1.37	*	1.06	-	1.74
087	Stikine	21	0.76		5	5.78	0.87		0.28	-	2.02
088	Terrace	551	1.23	*	118	89.71	1.32	*	1.09	-	1.58
092	Nisga'a	59	1.80	*	12	7.15	1.68		0.87	-	2.93
094	Telegraph Creek	25	1.86	*	5	2.19	2.28		0.73	-	5.32
161	Vancouver City Centre	3,334	1.13	*	643	606.50	1.06		0.98	-	1.15
162	Vancouver Downtown E.Side	2,783	1.50	*	529	377.82	1.40	*	1.28	-	1.52
163	Vancouver North East	2,940	0.97		574	650.34	0.88	*	0.81	-	0.96
164	Vancouver West Side	4,010	0.86	*	687	928.34	0.74	*	0.69	-	0.80
165	Vancouver Midtown	2,538	1.02		496	522.08	0.95		0.87	-	1.04
166	Vancouver South	4,090	0.90	*	778	960.46	0.81	*	0.75	-	0.87
201	Surrey	6,914	0.99		1,527	1,492.06	1.02		0.97	-	1.08
202	South Surrey/White Rock	3,854	0.88	*	874	884.47	0.99		0.92	-	1.06
	PROVINCIAL TOTAL	**139,916**	**1.00**		**29,108**	**29,108.00**	**1.00**		**0.99**	-	**1.01**

Note: SMR – Standardized Mortality Ratio. *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). Non-residents are excluded.

FIGURE 38

ALL CAUSES OF DEATH BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998-2002



Note: SMR - Standardized Mortality Ratio. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 33/FIGURE 38

- There were 29,108 deaths to residents in the province in 2003, and a total of 139,916 deaths in the province to B.C. residents in 1998-2002.
- There were 20 Local Health Areas (LHAs) with Standardized Mortality Ratios (SMR) for all causes of death which were statistically significant and high in 2003. The five highest (with number of deaths in parentheses) were:

083 Central Coast	(15)	2.52
049 Bella Coola Valley	(24)	1.59
162 Vancouver Downtown East Side	(529)	1.40
085 Vancouver Island North	(65)	1.37
030 South Cariboo	(74)	1.36

- All of the above LHAs also had statitically significant high ratios for 1998-2002.
- There were eight LHAs with SMR values for all causes of death that were statistically significant and low in 2003. The five lowest (with number of deaths in parentheses) were:

038 Richmond	(842)	0.73
164 Vancouver West Side	(687)	0.74
064 Gulf Islands	(132)	0.80
045 West Vancouver-Bowen Island	(455)	0.80
166 Vancouver South	(778)	0.81

- All of the above LHAs also had statitically significant low ratios for 1998-2002.
- There were 39 LHAs with SMRs for all causes of death which were statistically significant and high in 1998-2002. The five highest (with number of deaths in parentheses) were:

083 Central Coast	(71)	2.27
051 Snow Country	(24)	2.06
094 Telegraph Creek	(25)	1.86
092 Nisga'a	(59)	1.80
162 Vancouver Downtown East Side	(2,783)	1.50

- There were 14 LHAs with SMR values for all causes that were statistically significant and low in 1998-2002. The five lowest (with number of deaths in parentheses) were:

038 Richmond	(4,031)	0.80
004 Windermere	(220)	0.83
064 Gulf Islands	(651)	0.83
045 West Vancouver-Bowen Island	(2,267)	0.83
063 Saanich	(2,846)	0.85

TABLE 34
POTENTIAL YEARS OF LIFE LOST AND AGE STANDARDIZED MORTALITY RATES BY SELECTED CAUSES OF DEATH
BRITISH COLUMBIA, 2003

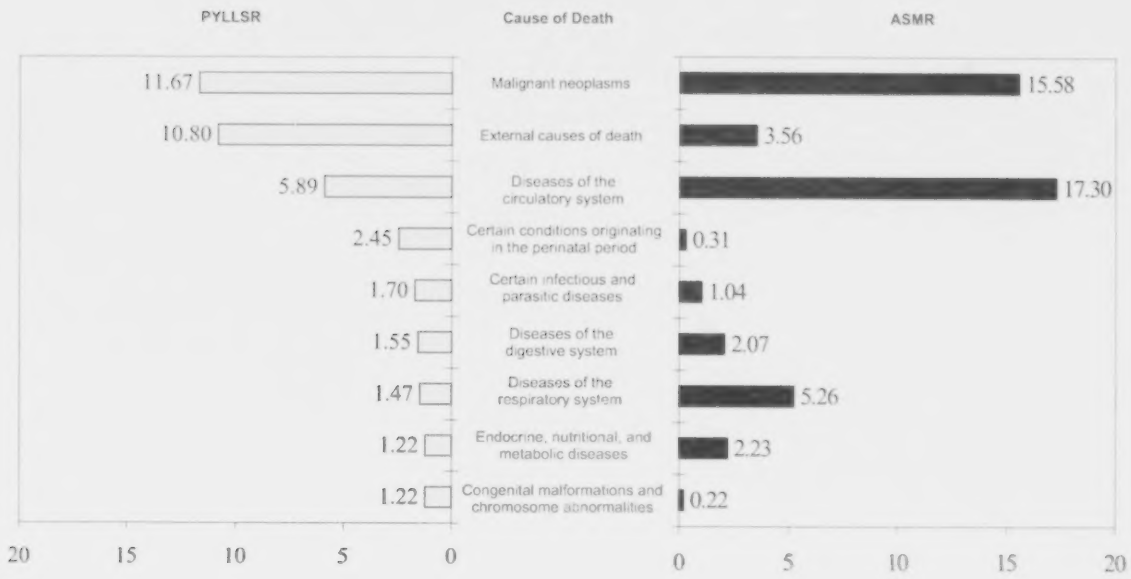
Cause of Death	ICD-10 Code(s)	PYLL (Age Under 75 Years) No. of Deaths	Total PYLL	Percent of PYLL	Average PYLL	PYLLSR	Mortality (All Ages) No. of Deaths	Percent of Deaths	ASMR
Certain infectious and parasitic diseases	A00-B99	306	7,155	3.9	23.4	1.70	540	1.9	1.04
- HIV disease	B20-B24	125	3,693	2.0	29.5	0.90	125	0.4	0.28
Malignant neoplasms	C00-C97	4,180	53,719	29.2	12.9	11.67	8,101	27.8	15.58
- Malignant neoplasm of trachea and lung	C33-C34	1,153	12,348	6.7	10.7	2.62	2,082	7.2	4.08
- Malignant neoplasm of female breast	C500-C509	361	5,853	3.2	16.2	2.48	616	2.1	2.19
- Malignant neoplasm of colon and rectum	C18-C21	381	4,508	2.4	11.8	0.98	789	2.7	1.51
Endocrine nutritional and metabolic diseases	E00-E89	470	5,419	2.9	11.5	1.22	1,196	4.1	2.23
- Diabetes mellitus	E10-E14	370	3,835	2.1	10.4	0.84	943	3.2	1.76
Diseases of the circulatory system	I00-I99	2,403	26,944	14.6	11.2	5.89	9,779	33.6	17.30
- Ischemic heart diseases	I20-I25	1,293	13,768	7.5	10.6	2.94	4,662	16.0	8.33
- Cerebrovascular diseases	I60-I69	403	4,158	2.3	10.3	0.91	2,255	7.7	3.91
Diseases of the respiratory system	J00-J98	621	6,182	3.4	10.0	1.47	2,991	10.3	5.26
- Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189	191	2,420	1.3	12.7	0.60	1,316	4.5	2.24
- Chronic Pulmonary Disease	J40-J44	301	2,068	1.1	6.9	0.46	1,193	4.1	2.15
Diseases of the digestive system	K00-K92	487	7,238	3.9	14.9	1.55	1,128	3.9	2.07
- Chronic liver disease/cirrhosis	K70, K73-74, K760-K761	237	3,823	2.1	16.1	0.78	302	1.0	0.59
Congenital malformations and chromosome abnormalities	Q00-Q99	72	3,536	1.9	49.1	1.22	81	0.3	0.22
Certain conditions originating in the perinatal period	P00-P96	86	6,405	3.5	74.5	2.45	86	0.3	0.31
External causes of death	V01-Y98	1,214	40,767	22.1	33.6	10.80	1,621	5.6	3.56
- Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899 Y850	327	12,763	6.9	39.0	3.45	376	1.3	0.89
- Suicide	X60-X84, Y870	393	12,678	6.9	32.3	3.30	424	1.5	0.97
Other causes[1]		1,184	26,904	14.6	22.7	7.01	3,585	12.3	6.63
All causes		**11,023**	**184,267**	**100.0**	**16.7**	**44.97**	**29,108**	**100.0**	**54.21**

Note: PYLL – Potential Years of Life Lost, denotes the total number of years of life lost from an established life expectancy (75 years).
PYLLSR – PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census).
ASMR – Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
[1]Other causes includes undetermined and pending.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 39

POTENTIAL YEARS OF LIFE LOST AND AGE STANDARDIZED MORTALITY RATES BY SELECTED CAUSES OF DEATH

BRITISH COLUMBIA, 2003



Note: PYLLSR Potential Years of Life Lost Standardized Rate (age under 75 years) per 1,000 standard population.
ASMR - Age Standardized Mortality Rate per 10,000 standard population.

HIGHLIGHTS TO TABLE 34/FIGURE 39

- Out of the 29,108 deaths in B.C. in 2003, 11,023 (37.9%) were under age 75. The proportion of 'premature' deaths varied considerably by cause of death:
  - 1,214 deaths from external causes were premature (74.9% of the 1,621 deaths from this cause)
  - 4,180 deaths from malignant neoplasms (cancer) were premature (51.6% of 8,101 deaths)
  - 2,403 deaths from circulatory system diseases were premature (24.6% of 9,779 deaths)
  - 621 respiratory system deaths were premature (20.8% of 2,991 deaths).
- Potential Years of Life Lost (PYLL) is used as an alternative measure of mortality to reflect the impact of deaths that occur at younger ages. For every death under the age of 75, there are potential years of life lost. A comparison of deaths from HIV disease and perinatal conditions illustrates the value of PYLL as a health status indicator. HIV disease was responsible for 125 deaths and 3,693 potential years of life lost in 2003. In contrast, the 86 deaths from perinatal conditions resulted in a much larger number of PYLL (6,405) since almost all of these deaths were infants.
- An average of 16.7 years of life were lost per death under 75 years of age. The causes of death shown in the table that had the highest average Potential Years of Life Lost (PYLL) were:
  - 74.5 years lost per death due to perinatal conditions
  - 49.1 years lost per death due to congenital anomalies
  - 33.6 years lost per death due to external causes.
- The Potential Years of Life Lost Standardized Rate (PYLLSR) for deaths from all causes in 2003 was 44.97 potential years of life lost per 1,000 standard population.

TABLE 35
POTENTIAL YEARS OF LIFE LOST BY AGE GROUP AND MAJOR CAUSES OF DEATH (AGE UNDER 75 YEARS)
BRITISH COLUMBIA, 2003

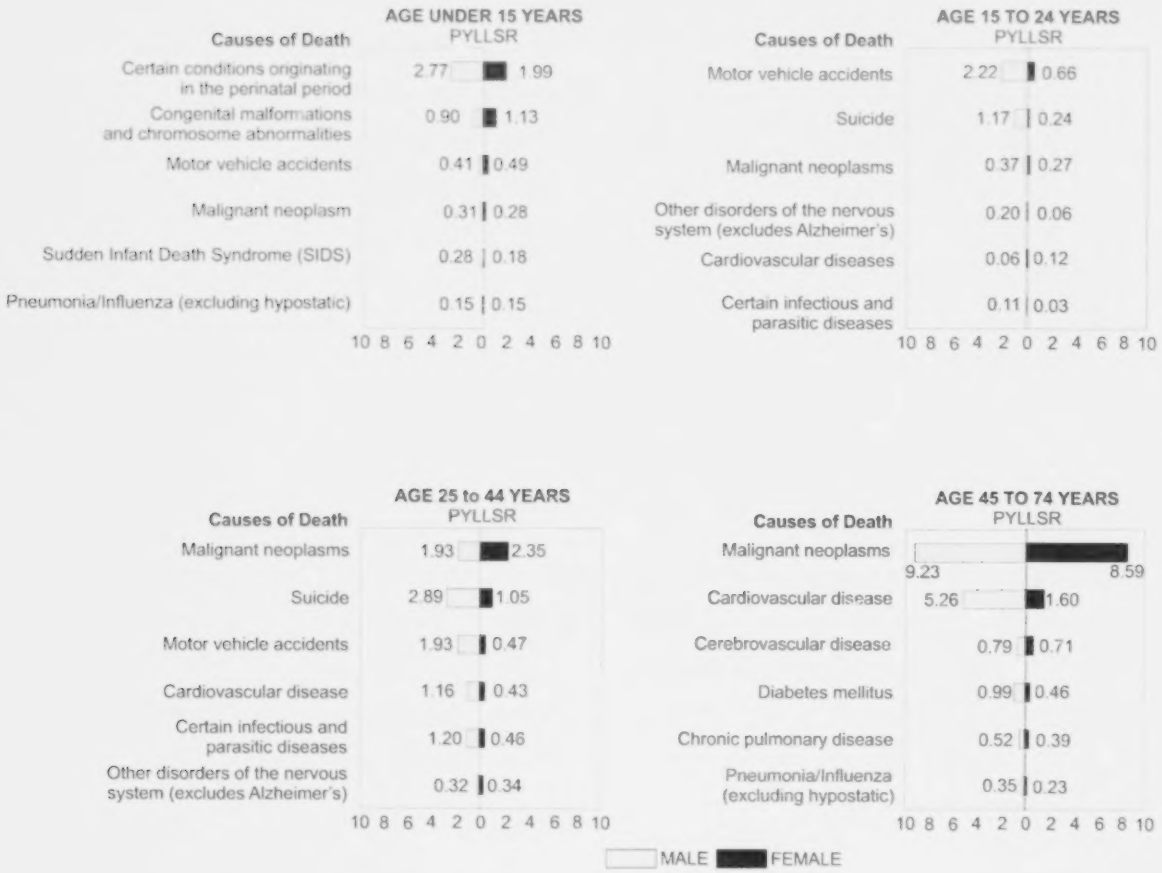
		Male				Female				Total			
Cause of Death	ICD-10 Code(s)	Deaths	PYLL	PYLL %	PYLLSR	Deaths	PYLL	PYLL %	PYLLSR	Deaths	PYLL	PYLL %	PYLLSR
Under 15 Years Old													
Certain conditions originating in the perinatal period	P00-P96	50	3,725	37.2	2.77	34	2,531	31.2	1.99	86	6,405	35.0	2.45
Congenital malformations and chromosome abnormalities	Q00-Q99	17	1,245	12.4	0.90	20	1,474	18.2	1.13	37	2,719	14.9	1.01
Motor vehicle accidents	V02-V04, V09, V12-V14, V190- V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	11	717	7.2	0.41	12	791	9.7	0.49	23	1,508	8.2	0.45
Malignant neoplasms	C00-C97	8	535	5.3	0.31	7	457	5.6	0.28	15	992	5.4	0.30
Sudden infant death syndrome (SIDS)	R95	5	373	3.7	0.28	3	224	2.8	0.18	8	596	3.3	0.23
Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189	3	219	2.2	0.15	3	214	2.6	0.15	6	433	2.4	0.15
Other causes[1]		45	3,203	32.0	2.18	34	2,425	29.9	1.75	79	5,628	30.8	1.97
All causes		**139**	**10,016**	**100.0**	**7.00**	**113**	**8,115**	**100.0**	**5.96**	**254**	**18,279**	**100.0**	**6.55**
15-24 Years Old													
Motor vehicle accidents	V02-V04, V09, V12-V14, V190- V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	78	4,275	33.7	2.22	22	1,205	31.0	0.66	100	5,480	33.1	1.46
Suicide	X60-X84, Y870	41	2,243	17.7	1.17	8	440	11.3	0.24	49	2,683	16.2	0.71
Malignant neoplasms	C00-C97	13	703	5.5	0.37	9	503	12.9	0.27	22	1,205	7.3	0.32
Other disorders of the nervous system	G00-G25, G31-G99	7	378	3.0	0.20	2	110	2.8	0.06	9	488	2.9	0.13
Cardiovascular disease	I00-I51	2	105	0.8	0.06	4	215	5.5	0.12	6	320	1.9	0.09
Certain infectious and parasitic diseases	A00-B99	4	215	1.7	0.11	1	53	1.3	0.03	5	268	1.6	0.07
Other causes[1]		88	4,760	37.5	2.50	25	1,368	35.1	0.75	113	6,128	37.0	1.64
All causes		**233**	**12,678**	**100.0**	**6.62**	**71**	**3,893**	**100.0**	**2.12**	**304**	**16,570**	**100.0**	**4.42**
25-44 Years Old													
Malignant neoplasms	C00-C97	100	3,620	12.1	1.93	126	4,520	28.9	2.35	226	8,140	17.8	2.14
Suicide	X60-X84, Y870	128	4,965	16.6	2.89	45	1,778	11.4	1.05	173	6,743	14.8	1.96
Motor vehicle accidents	V02-V04, V09, V12-V14, V190- V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	77	3,143	10.5	1.93	22	835	5.3	0.47	99	3,978	8.7	1.20
Cardiovascular disease	I00-I51	61	2,198	7.3	1.16	22	805	5.1	0.43	83	3,003	6.6	0.80
Certain infectious and parasitic diseases	A00-B99	59	2,183	7.3	1.20	20	785	5.0	0.46	79	2,968	6.5	0.82
Other disorders of the nervous system	G00-G25, G31-G99	16	590	2.0	0.32	16	605	3.9	0.34	32	1,195	2.6	0.33
Other causes[1]		349	13,293	44.3	7.58	166	6,330	40.4	3.58	515	19,623	43.0	5.57
All causes		**790**	**29,990**	**100.0**	**17.02**	**417**	**15,658**	**100.0**	**8.69**	**1,207**	**45,648**	**100.0**	**12.84**
45-74 Years Old													
Malignant neoplasms	C00-C97	2,115	22,078	34.9	9.23	1,802	21,305	52.6	8.59	3,917	43,383	41.8	8.91
Cardiovascular disease	I00-I51	1,212	12,645	20.0	5.26	445	3,763	9.3	1.60	1,657	16,408	15.8	3.41
Cerebrovascular diseases	I60-I69	207	1,858	2.9	0.79	178	1,670	4.1	0.71	385	3,528	3.4	0.75
Diabetes mellitus	E10-E14	233	2,318	3.7	0.99	126	1,085	2.7	0.46	359	3,403	3.3	0.72
Chronic Pulmonary Disease	J40-J44	164	1,150	1.8	0.52	136	885	2.2	0.39	300	2,035	2.0	0.46
Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189	97	848	1.3	0.35	72	545	1.3	0.23	169	1,393	1.3	0.29
Other causes[1]		1,593	22,398	35.4	8.83	878	11,225	27.7	4.44	2,471	33,623	32.4	6.62
All causes		**5,621**	**63,293**	**100.0**	**25.98**	**3,637**	**40,478**	**100.0**	**16.42**	**9,258**	**103,770**	**100.0**	**21.16**

Note: PYLL – Potential Years of Life Lost, denotes the total number of years of life lost from an established life expectancy (75 years).
PYLLSR – PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census).
[1]Other causes includes undetermined and pending. Causes of death are ordered by total deaths (age under 75 years).
Some cause of death categories are diferent from those in previous publications. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 40

POTENTIAL YEARS OF LIFE LOST STANDARDIZED RATES BY AGE GROUP AND GENDER MAJOR CAUSES OF DEATH (AGE UNDER 75 YEARS)

BRITISH COLUMBIA, 2003



Note: Causes of death are ordered by total deaths (Table 35).
PYLLSR-PYLL Standardized Rate per 1,000 population.

HIGHLIGHTS TO TABLE 35/FIGURE 40

Some cause of death categories are different from those used previously, so readers should avoid comparisons with tables in earlier publications.

- In 2003, there were 254 deaths in the under 15 year age group: 139 young men and 113 young women. These deaths resulted in a total of 18,279 potential years of life lost (PYLL). Perinatal conditions and congenital anomalies accounted for 35.0% and 14.9% of PYLL, respectively. The Potential Years of Life Lost Standardized Rate (PYLLSR) was 6.55 years of life lost per 1,000 standard population in this age group.
- In the 15-24 age group, a total of 16,570 potential years of life were lost from the 304 deaths in 2003, resulting in a PYLLSR of 4.42 potential years of life lost per 1,000 standard population. Males accounted for 233 of these deaths and the male PYLLSR (6.62) was three times the rate for females (2.12). Motor vehicle accidents were a major cause of death in this age group, responsible for 100 deaths and 5,480 PYLL.
- In the 'prime of life' 25-44 age group, there were 1,207 deaths in 2003, producing a total of 45,648 potential years of life lost and a PYLLSR of 12.84 per 1,000 standard population. Among the 790 male deaths, the highest PYLLSR was for suicide (2.89), followed by malignant neoplasms and motor vehicle accidents (both 1.93). For the 417 female deaths, the highest PYLLSR was for malignant neoplasms (2.35). The PYLLSR for males (17.02) was almost twice the rate for females (8.69).
- In the 45-74 age group, the 9,258 deaths resulted in a total of 103,770 potential years of life lost in 2003, and a PYLLSR of 21.16 per 1,000 standard population. Malignant neoplasms were the leading cause of death in this age group; the 3,917 deaths from cancer were responsible for a total of 43,383 potential years of life lost, and a PYLLSR of 8.91. As in other age groups, the PYLLSR for males (25.98) was considerably higher than for females (16.42).

Table 36

POTENTIAL YEARS OF LIFE LOST BY LOCAL HEALTH AREA
EXTERNEL CAUSES OF DEATH (AGE UNDER 75 YEARS), BRITISH COLUMBIA, 1998–2002 AND 2003

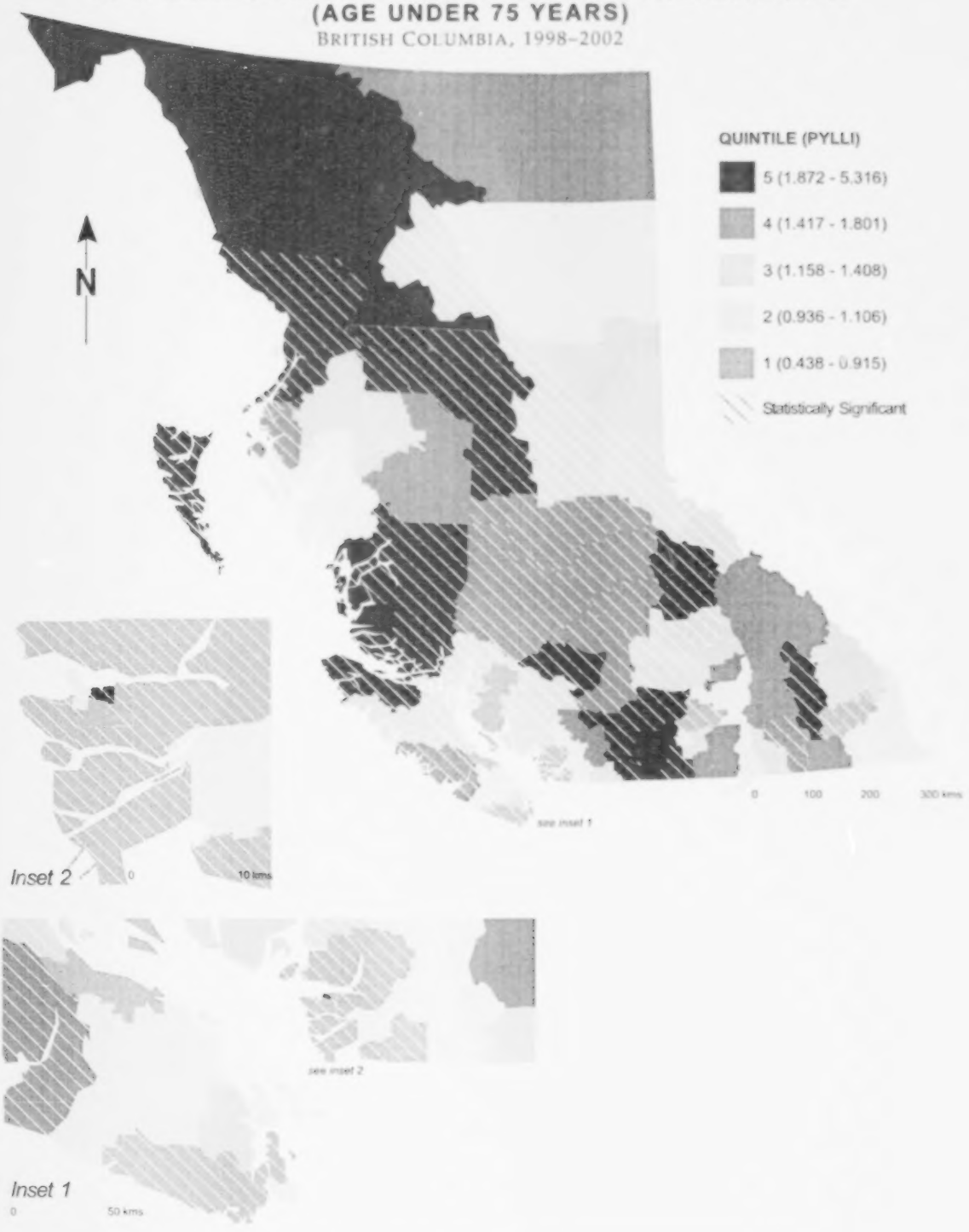
Local Health Area		1998–2002			2003					
		Observed Deaths	Observed PYLL	PYLL Index (p)	Observed Deaths	Observed PYLL	Expected PYLL	PYLL Index (p)	95% Confidence Limit Lower	Upper
001	Fernie	31	1,148	1.09	6	315	160.53	1.96	0.36 -	3.56
002	Cranbrook	54	1,545	0.94	9	293	249.69	1.17	0.33 -	2.02
003	Kimberley	10	280	0.53 *	5	198	78.84	2.51	0.21 -	4.81
004	Windermere	18	745	1.26	5	123	95.19	1.29	0.00 -	2.77
005	Creston	32	1,115	1.60	3	128	107.33	1.19	0.00 -	2.62
006	Kootenay Lake	18	660	3.04 *	4	55	31.21	1.76	0.01 -	3.51
007	Nelson	69	2,387	1.49 *	4	110	239.73	0.46 *	0.01 -	0.91
009	Castlegar	36	1,220	1.40	4	120	128.28	0.94	0.00 -	1.93
010	Arrow Lakes	13	513	1.65	3	128	46.15	2.77	0.00 -	6.07
011	Trail	52	1,710	1.36	6	285	189.34	1.51	0.29 -	2.72
012	Grand Forks	19	518	0.96	3	113	81.17	1.39	0.00 -	3.27
013	Kettle Valley	13	383	1.70	1	18	32.49	0.55	0.00 -	1.61
014	Southern Okanagan	45	1,318	1.42	8	270	140.68	1.92	0.38 -	3.46
015	Penticton	80	2,617	1.17	15	418	342.74	1.22	0.52 -	1.92
016	Keremeos	18	750	2.97 *	4	110	37.82	2.91	0.00 -	5.92
017	Princeton	15	533	1.97	1	53	38.75	1.37	0.00 -	4.02
018	Golden	21	818	1.56	2	80	77.63	1.03	0.00 -	2.59
019	Revelstoke	25	958	1.68	2	100	83.13	1.20	0.00 -	2.87
020	Salmon Arm	78	2,400	1.30	13	413	284.16	1.45	0.57 -	2.33
021	Armstrong-Spallumcheen	21	893	1.48	5	183	94.25	1.94	0.20 -	3.69
022	Vernon	123	3,953	1.11	23	817	549.04	1.49	0.83 -	2.15
023	Central Okanagan	252	7,905	0.85 *	49	1,628	1,461.78	1.11	0.77 -	1.45
024	Kamloops	270	9,425	1.41 *	40	1,235	995.74	1.24	0.81 -	1.67
025	100 Mile House	47	1,522	1.67 *	9	343	132.14	2.60	0.78 -	4.41
026	North Thompson	20	687	2.00 *	4	155	51.77	2.99	0.00 -	6.12
027	Cariboo-Chilcotin	99	3,479	1.77 *	13	548	286.15	1.92	0.78 -	3.05
028	Quesnel	78	2,427	1.42 *	10	255	246.96	1.03	0.23 -	1.83
029	Lillooet	23	703	2.23 *	2	50	45.18	1.11	0.00 -	2.98
030	South Cariboo	27	843	1.80 *	6	185	72.09	2.57	0.32 -	4.81
031	Merritt	56	1,975	2.68 *	4	170	108.73	1.56	0.00 -	3.22
032	Hope	31	960	1.87 *	3	43	78.38	0.55	0.00 -	1.22
033	Chilliwack	160	5,244	1.19	21	728	689.33	1.06	0.54 -	1.57
034	Abbotsford	219	7,732	1.00	30	1,050	1,263.49	0.83	0.51 -	1.16
035	Langley	168	5,904	0.79 *	26	835	1,144.77	0.73	0.40 -	1.06
037	Delta	90	2,990	0.45 *	23	942	995.70	0.95	0.53 -	1.36
038	Richmond	148	5,030	0.44 *	19	593	1,744.36	0.34 *	0.17 -	0.51
040	New Westminster	132	4,165	1.05	16	420	603.84	0.70	0.34 -	1.05
041	Burnaby	268	9,030	0.66 *	42	1,420	2,076.46	0.68 *	0.45 -	0.91
042	Maple Ridge	153	5,323	1.00	27	917	894.46	1.03	0.58 -	1.47
043	Coquitlam	232	8,388	0.62 *	41	1,440	2,167.49	0.66 *	0.44 -	0.89
044	North Vancouver	139	4,560	0.52 *	19	728	1,325.96	0.55 *	0.29 -	0.81
045	West Vancouver-Bowen Is.	50	1,550	0.56 *	10	210	424.64	0.49 *	0.12 -	0.87
046	Sunshine Coast	60	1,885	1.23	8	255	237.98	1.07	0.28 -	1.86
047	Powell River	35	988	0.80	4	100	183.85	0.54	0.00 -	1.22
048	Howe Sound	81	3,058	1.31 *	17	688	344.05	2.00 *	1.01 -	2.99
049	Bella Coola Valley	18	585	2.50 *	7	273	33.15	8.23 *	1.37 -	15.10
050	Queen Charlotte	28	700	1.87 *	1	63	54.01	1.17	0.00 -	3.43
051	Snow Country	8	295	5.32 *	1	58	8.14	7.12	0.00 -	20.96
052	Prince Rupert	62	2,145	1.80 *	8	325	172.69	1.88	0.44 -	3.33
053	Upper Skeena	20	815	2.04 *	4	95	58.86	1.61	0.00 -	3.40
054	Smithers	39	1,598	1.27	8	290	180.89	1.60	0.40 -	2.81
055	Burns Lake/Eutsuk	23	878	1.72	3	53	75.75	0.70	0.00 -	1.71
056	Nechako	65	2,389	2.00 *	9	323	173.63	1.86	0.43 -	3.29
057	Prince George	250	8,728	1.22 *	42	1,320	1,049.46	1.26	0.84 -	1.68
059	Peace River South	73	2,457	1.34	12	425	266.89	1.59	0.57 -	2.61
060	Peace River North	59	2,292	1.06	15	463	326.98	1.42	0.64 -	2.19
061	Greater Victoria	415	13,416	1.00	51	1,657	1,971.75	0.84	0.58 -	1.10
062	Sooke	78	2,734	0.76 *	15	518	552.63	0.94	0.42 -	1.46
063	Saanich	70	2,235	0.66 *	15	558	517.05	1.08	0.46 -	1.70
064	Gulf Islands	23	758	1.04	8	210	112.95	1.86	0.34 -	3.38
065	Cowichan	99	3,674	1.16	18	642	483.45	1.33	0.61 -	2.05
066	Lake Cowichan	11	398	1.02	1	58	58.36	0.99	0.00 -	2.93
067	Ladysmith	30	930	0.99	11	313	143.20	2.19	0.72 -	3.65
068	Nanaimo	181	6,006	1.04	45	1,545	882.86	1.75 *	1.17 -	2.33
069	Qualicum	57	1,773	0.87	11	263	325.09	0.81	0.26 -	1.36
070	Alberni	86	3,034	1.49 *	9	313	299.04	1.05	0.27 -	1.83
071	Courtenay	129	4,409	1.25 *	13	393	539.76	0.73	0.29 -	1.16
072	Campbell River	107	3,593	1.36 *	14	425	386.21	1.10	0.48 -	1.72
075	Mission	81	2,498	1.02	14	520	372.73	1.40	0.60 -	2.19
076	Agassiz-Harrison	25	873	1.62	3	98	84.53	1.16	0.00 -	2.75
077	Summerland	19	673	1.09	2	85	96.94	0.88	0.00 -	2.17
078	Enderby	23	728	1.67	2	75	66.58	1.13	0.00 -	2.90
080	Kitimat	21	803	0.96	6	140	118.26	1.18	0.00 -	2.40
081	Fort Nelson	17	698	1.47	3	127	70.35	1.81	0.00 -	4.09
083	Central Coast	10	350	2.78	-	-	18.28	-	- -	-
084	Vancouver Island West	7	248	1.28	-	-	25.01	-	- -	-
085	Vancouver Island North	51	2,016	2.00 *	6	180	143.62	1.25	0.22 -	2.29
087	Stikine	6	280	3.37	2	100	11.93	8.38	0.00 -	20.13
088	Terrace	59	1,918	1.24	9	313	226.26	1.38	0.38 -	2.39
092	Nisga'a	12	420	3.07 *	3	153	19.64	7.79	0.00 -	16.61
094	Telegraph Creek	6	200	4.81	2	65	6.36	10.22	0.00 -	24.56
161	Vancouver City Centre	255	7,973	1.04	38	1,050	1,168.19	0.90	0.59 -	1.21
162	Vancouver Downtown E. Side	416	13,122	3.39 *	41	1,358	555.68	2.44 *	1.64 -	3.25
163	Vancouver North East	153	5,409	0.81 *	18	545	970.10	0.56 *	0.26 -	0.86
164	Vancouver West Side	122	4,065	0.47 *	17	453	1,290.34	0.35 *	0.16 -	0.54
165	Vancouver Midtown	166	5,725	0.91	12	405	883.55	0.46 *	0.18 -	0.74
166	Vancouver South	186	6,012	0.71 *	16	530	1,231.08	0.43 *	0.20 -	0.66
201	Surrey	582	21,530	1.04	102	3,765	3,403.56	1.11	0.87 -	1.34
202	South Surrey/White Rock	77	2,443	0.61 *	18	640	667.24	0.96	0.48 -	1.43
	PROVINCIAL TOTAL	**7,888**	**267,327**	**1.00**	**1,214**	**40,767**	**40,766.50**	**1.00**	**0.94 -**	**1.06**

Note: Notes for table follow table highlights.

FIGURE 41

EXTERNAL CAUSES OF DEATH BY LOCAL HEALTH AREA (AGE UNDER 75 YEARS)

BRITISH COLUMBIA, 1998–2002



Note: PYLLI - Potential Years of Life Lost Index. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 36/FIGURE 41

- There were four Local Health Areas (LHAs) with statistically significant and high Potential Years of Life Lost Index (PYLLI) for external causes of death under 75 years of age in 2003 (number of deaths in parentheses):

049	Bella Coola Valley	(7)	8.23
162	Vancouver Downtown E. Side	(41)	2.44
048	Howe Sound	(17)	2.00
068	Nanaimo	(45)	1.75

- All these LHAs except Nanaimo also had statistically significant high PYLLI values for external causes of death (age under 75 years) in 1998-2002.

- Nine LHAs had PYLLI values for external causes in 2003 that were statistically significant and low based on five or more deaths. The PYLLI for the five lowest LHAs with at least five deaths (number of deaths in parentheses) were:

038	Richmond	(19)	0.34
164	Vancouver West Side	(17)	0.35
166	Vancouver South	(16)	0.43
165	Vancouver Midtown	(12)	0.46
045	West Vancouver-Bowen Is.	(10)	0.49

- All of the above LHAs except Vancouver Midtown also had statistically significant and low PYLLI values for external causes of death (age under 75 years) in 1998-2002.

- Two LHAs (083 Central Coast and 084 Vancouver Island West) had no deaths from external causes under 75 years of age in 2003.

- In the 1998-2002 period, a total of 26 LHAs had PYLLI values for external causes that were statistically significant and high. The five LHAs with the highest statistically significant index values for this five-year period (number of deaths in parentheses) were:

051	Snow Country	(8)	5.32
162	Vancouver Downtown E. Side	(416)	3.39
092	Nisga'a	(12)	3.07
006	Kootenay Lake	(18)	3.04
016	Keremeos	(18)	2.97

- In the 1998-2002 period, 15 LHAs had PYLLI values for external causes that were statistically significant and low, based on five or more deaths. The five LHAs with the lowest index values that were statistically significant for this five-year period (number of deaths in parentheses) were:

038	Richmond	(148)	0.44
037	Delta	(90)	0.45
164	Vancouver West Side	(122)	0.47
044	North Vancouver	(139)	0.52
003	Kimberley	(10)	0.53

Notes to Table 36

Note: PYLL - Potential Years of Life Lost, denotes the total number of years of life lost from an established life expectancy (75 years). PYLLSR - PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census). * Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). + Denotes significance based on less than five deaths. Non-residents are excluded.

TABLE 37
DEATHS DUE TO MEDICALLY TREATABLE DISEASES BY SELECTED CAUSES AND GENDER
BRITISH COLUMBIA, 1998–2002 AND 2003

Cause of Death	ICD-10 Code(s)	1998–2002		2003					
				Male		Female		Total	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Hypertension and hypertensive diseases	I10-I15	98	15.0	24	28.6	7	10.1	31	20.3
Pneumonia and unqualified bronchitis	J12-J181, J188 J189, J40	134	20.6	18	21.4	6	8.7	24	15.7
Malignant neoplasm of cervix	C53	137	21.0	-	-	33	47.8	33	21.6
Tuberculosis	A15-A19, B90	16	2.5	2	2.4	-	-	2	1.3
Asthma	J45-J46	36	5.5	4	4.8	2	2.9	6	3.9
Chronic rheumatic heart disease	I05-I09	10	1.5	-	0.0	3	4.3	3	2.0
Acute respiratory infections and influenza	J00-J06, J10-J11, J20-22	5	0.8	1	1.2	-	0.0	1	0.7
Bacterial infections*	A00-A05, ..., M871	172	26.4	30	35.7	15	21.7	45	29.4
Hodgkin's disease	C81	13	2.0	1	1.2	2	2.9	3	2.0
Abdominal hernias, cholecystitis and cholelithiasis, appendicitis	K35-K37, K40-K46, K80, K81	30	4.6	4	4.8	1	1.4	5	3.3
Nutritional anemias	D50-D53	1	0.2	-	-	-	-	-	-
TOTAL		**652**	**100.0**	**84**	**100.0**	**69**	**100.0**	**153**	**100.0**

Note: Medically Treatable Diseases based on Charlton's definition (see Glossary).
*ICD–10 codes A00–A05, A20–A49, B95–B96, G00, H66, H70, H950–H951, I00–I01, I020, I029, L01–L08, M00, M028–M029, M462, M86, M871.
Total percentage may not add up to 100 due to rounding.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

HIGHLIGHTS TO TABLE 37

- The medically treatable diseases presented in this table were selected according to Charlton's definition based on mortality in specific age groups that could potentially be avoided through appropriate medical attention (see Glossary). There were 153 deaths in 2003 that were identified as medically treatable according to this definition.
- Males accounted for slightly more than half (54.9%) the deaths from medically treatable diseases (84 male deaths) in 2003. Over a third (35.7%) of these male deaths were from bacterial infections (30 deaths), almost a third (28.6%) were due to hypertensive disease (24), and one in five (21.4%) was from pneumonia and unqualified bronchitis (18). Females accounted for 69 deaths from medically treatable diseases in 2003. Of the female deaths, almost half (47.8%) were due to cervical cancer (33 deaths), more than a fifth (21.7%) were due to bacterial infections (15), and one in ten (10.1%) were due to hypertension and hypertensive diseases (7).
- In the 1998-2002 period, three categories accounted for more than two thirds (68.0%) of the 652 deaths from medically treatable diseases. These were bacterial infections (172 deaths), cervical cancer (137), and pneumonia and unqualified bronchitis (134).

Table 38

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA DEATHS DUE TO MEDICALLY TREATABLE DISEASES, BRITISH COLUMBIA, 1998–2002 AND 2003

Local Health Area		1998–2002 Observed Deaths	1998–2002 SMR (p)		2003 Observed Deaths	2003 Expected Deaths	2003 SMR (p)		2003 95% Confidence Interval Lower		2003 95% Confidence Interval Upper
001	Fernie	1	0.39		-	0.63	-		-	-	-
002	Cranbrook	7	1.69		1	0.97	1.03		0.01	-	5.74
003	Kimberley	1	0.66		-	0.35	-		-	-	-
004	Windermere	3	1.95		-	0.37	-		-	-	-
005	Creston	2	0.99		-	0.44	-		-	-	-
006	Kootenay Lake	1	1.58		-	0.14	-		-	-	-
007	Nelson	4	0.97		-	0.97	-		-	-	-
009	Castlegar	3	1.33		-	0.52	-		-	-	-
010	Arrow Lakes	2	2.22		1	0.20	5.02		0.07	-	27.90
011	Trail	2	0.59		1	0.79	1.27		0.02	-	7.05
012	Grand Forks	1	0.65		-	0.35	-		-	-	-
013	Kettle Valley	-	-		-	0.14	-		-	-	-
014	Southern Okanagan	2	0.69		-	0.66	-		-	-	-
015	Penticton	1	0.16	*	2	1.38	1.45		0.16	-	5.24
016	Keremeos	1	1.21		-	0.18	-		-	-	-
017	Princeton	-	-		-	0.20	-		-	-	-
018	Golden	2	1.68		-	0.28	-		-	-	-
019	Revelstoke	-	-		1	0.32	3.14		0.04	-	17.48
020	Salmon Arm	4	0.77		1	1.21	0.83		0.01	-	4.61
021	Armstrong-Spallumcheen	-	-		1	0.38	2.61		0.03	-	14.54
022	Vernon	8	0.85		1	2.17	0.46		0.01	-	2.56
023	Central Okanagan	15	0.63		3	5.64	0.53		0.11	-	1.55
024	Kamloops	22	1.30		5	3.92	1.28		0.41	-	2.98
025	100 Mile House	5	1.92		1	0.57	1.77		0.02	-	9.83
026	North Thompson	1	1.19		1	0.19	5.22		0.07	-	29.04
027	Cariboo-Chilcotin	4	0.87		2	1.04	1.93		0.22	-	6.95
028	Quesnel	6	1.45		1	0.94	1.06		0.01	-	5.90
029	Lillooet	2	2.71		-	0.16	-		-	-	-
030	South Cariboo	-	-		-	0.29	-		-	-	-
031	Merritt	5	2.78		-	0.41	-		-	-	-
032	Hope	1	0.72		1	0.32	3.15		0.04	-	17.51
033	Chilliwack	15	1.42		1	2.45	0.41		0.01	-	2.27
034	Abbotsford	22	1.27		4	4.21	0.95		0.26	-	2.43
035	Langley	25	1.38		7	4.33	1.62		0.65	-	3.33
037	Delta	8	0.48	*	2	3.96	0.50		0.06	-	1.82
038	Richmond	14	0.49	*	7	6.85	1.02		0.41	-	2.11
040	New Westminster	18	1.92	*	2	2.27	0.88		0.10	-	3.18
041	Burnaby	28	0.87		6	7.60	0.79		0.29	-	1.72
042	Maple Ridge	11	0.87		3	3.17	0.95		0.19	-	2.77
043	Coquitlam	19	0.59	*	7	7.99	0.88		0.35	-	1.81
044	North Vancouver	20	0.88		3	5.37	0.56		0.11	-	1.63
045	West Vancouver-Bowen Is.	7	0.81		1	2.04	0.49		0.01	-	2.72
046	Sunshine Coast	5	1.12		4	1.02	3.91	*	1.05	-	10.02
047	Powell River	7	2.05		-	0.78	-		-	-	-
048	Howe Sound	4	0.87		3	1.12	2.69		0.54	-	7.85
049	Bella Coola Valley	2	3.86		-	0.11	-		-	-	-
050	Queen Charlotte	1	1.15		-	0.20	-		-	-	-
051	Snow Country	-	-		-	0.03	-		-	-	-
052	Prince Rupert	4	1.55		-	0.54	-		-	-	-
053	Upper Skeena	-	-		-	0.18	-		-	-	-
054	Smithers	1	0.36		-	0.61	-		-	-	-
055	Burns Lake	1	0.85		-	0.27	-		-	-	-
056	Nechako	1	0.39		4	0.56	7.09	*	1.91	-	18.14
057	Prince George	27	1.68	*	1	3.69	0.27		0.00	-	1.51
059	Peace River South	6	1.45		1	0.91	1.10		0.01	-	6.13
060	Peace River North	6	1.36		1	1.05	0.96		0.01	-	5.32
061	Greater Victoria	33	1.01		4	7.55	0.53		0.14	-	1.36
062	Sooke	8	0.89		2	2.16	0.93		0.10	-	3.34
063	Saanich	7	0.69		4	2.41	1.66		0.45	-	4.24
064	Gulf Islands	1	0.40		-	0.58	-		-	-	-
065	Cowichan	6	0.71		1	1.94	0.51		0.01	-	2.86
066	Lake Cowichan	1	0.97		-	0.24	-		-	-	-
067	Ladysmith	3	1.13		2	0.62	3.23		0.36	-	11.68
068	Nanaimo	12	0.81		3	3.45	0.87		0.17	-	2.54
069	Qualicum	7	1.07		-	1.50	-		-	-	-
070	Alberni	5	0.95		1	1.20	0.83		0.01	-	4.63
071	Courtenay	7	0.73		3	2.23	1.35		0.27	-	3.94
072	Campbell River	5	0.75		4	1.53	2.61		0.70	-	6.67
075	Mission	8	1.38		-	1.38	-		-	-	-
076	Agassiz-Harrison	2	1.59		1	0.30	3.34		0.04	-	18.59
077	Summerland	3	1.65		-	0.42	-		-	-	-
078	Enderby	1	0.85		1	0.27	3.75		0.05	-	20.88
080	Kitimat	2	1.03		-	0.41	-		-	-	-
081	Fort Nelson	1	1.15		-	0.20	-		-	-	-
083	Central Coast	1	3.77		1	0.06	17.66		0.23	-	98.23
084	Vancouver Island West	1	2.21		-	0.09	-		-	-	-
085	Vancouver Island North	5	2.13		-	0.51	-		-	-	-
087	Stikine	1	4.56		-	0.05	-		-	-	-
088	Terrace	3	0.89		3	0.75	4.00		0.80	-	11.68
092	Nisga'a	1	3.83		-	0.05	-		-	-	-
094	Telegraph Creek	-	-		-	0.02	-		-	-	-
161	Vancouver City Centre	18	1.14		7	3.58	1.95		0.78	-	4.03
162	Vancouver Downtown E. Side	35	4.01	*	4	1.94	2.06		0.56	-	5.29
163	Vancouver North East	22	1.44		6	3.36	1.79		0.65	-	3.89
164	Vancouver West Side	6	0.31	*	1	4.42	0.23		0.00	-	1.26
165	Vancouver Midtown	10	0.71		1	3.17	0.32		0.00	-	1.76
166	Vancouver South	15	0.75		6	4.45	1.35		0.49	-	2.93
201	Surrey	56	1.21		16	11.54	1.39		0.79	-	2.25
202	South Surrey/White Rock	8	0.67		2	3.16	0.63		0.07	-	2.28
	PROVINCIAL TOTAL	652	1.00		153	153.00	1.00		0.85	-	1.17

Note: Medically Treatable Diseases – based on Charlton's definition (see glossary - Medically Treatable Diseases). *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). +Denotes significance based on less than five deaths. SMR - Standardized Mortality Ratio. Non-residents are excluded.

FIGURE 42

DEATHS DUE TO MEDICALLY TREATABLE DISEASES BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998–2002

Note: SMR - Standardized Mortality Ratio. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 38/FIGURE 42

- The deaths due to medically treatable diseases (see Glossary) occurred across the province, although the numbers were small in most Local Health Areas (LHAs). There were only nine LHAs with five or more deaths in 2003 due to medically treatable diseases; none had statistically significant and high Standardized Mortality Ratios (SMR).
- There were no LHAs with statistically significant and low SMRs for medically treatable diseases in 2003 based on five or more deaths, and 36 LHAs had no deaths due to medically treatable diseases. The small number of deaths from medically treatable diseases in any individual year limits the scope for analysis.
- Over the 1998-2002 period, there were three LHAs with SMRs that were statistically significant and high for deaths due to medically treatable diseases; the ratios (with number of deaths due to medically treatable diseases in parentheses) were:

162 Vancouver Downtown E. Side	(35)	4.01
040 New Westminster	(18)	1.92
057 Prince George	(27)	1.68

- There were four LHAs with statistically significant and low SMRs for deaths due to medically treatable diseases during the 1998-2002 period, based on at least five deaths (with number of deaths due to medically treatable diseases in parentheses):

164 Vancouver West Side	(6)	0.31
037 Delta	(8)	0.48
038 Richmond	(14)	0.49
043 Coquitlam	(19)	0.59

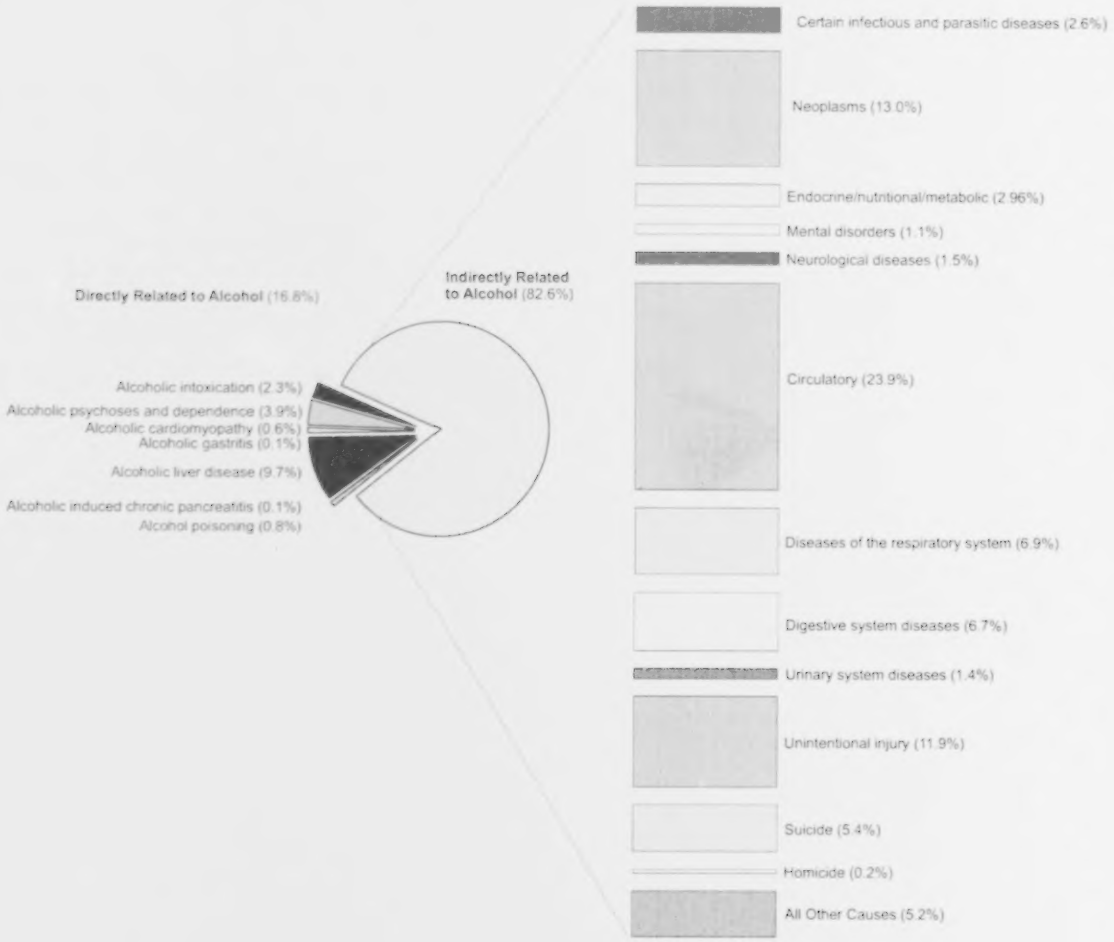
- Eight LHAs had no deaths from medically treatable diseases in 1998-2002.

TABLE 39
ALCOHOL-RELATED DEATHS BY CAUSE
BRITISH COLUMBIA, 1998–2002 AND 2003

Cause of Death	ICD-10 Code(s)	Year of Death			
		1998–2002		2003	
		Number	Percent	Number	Percent
Directly Related to Alcohol					
Alcohol intoxication	F100	143	1.5	41	2.3
Alcoholic psychoses and dependence	F101-F109	501	5.4	70	3.9
Alcoholic neurological disorders	G312, G621, G721	-	-	-	-
Alcoholic cardiomyopathy	I426	102	1.1	10	0.6
Alcoholic gastritis	K292	11	0.1	1	0.1
Alcoholic liver disease	K70	782	8.5	174	9.7
Alcohol induced chronic pancreatitis	K860	12	0.1	2	0.1
Alcohol poisoning	X45, X65	94	1.0	14	0.8
Other alcohol causes	E244, O354, O993, P043, Q860, R780, T510-T512, T519	-	-	-	-
SUBTOTAL		**1,645**	**17.8**	**312**	**17.4**
Indirectly Related to Alcohol[1]					
Certain infectious and parasitic diseases	A00-B99	210	2.3	46	2.6
Neoplasms	C00-D48	1,236	13.4	232	13.0
Endocrine/nutritional/metabolic	E00-E243, E248-E89	229	2.5	51	2.9
Mental disorders	F00-F09, F11-F99	91	1.0	20	1.1
Neurological diseases	G00-G311, G318-G620, G622-G720, G722-G99	125	1.4	26	1.5
Circulatory	I00-I425, I427-I99	2,130	23.1	428	23.9
Diseases of the respiratory system	J00-J98	704	7.6	124	6.9
Digestive system diseases	K00-K291, K293-K69, K71-K85, K861-K92	612	6.6	119	6.7
Urinary system diseases	N00-N39, N990, N991, N995	94	1.0	25	1.4
Unintentional injury	V01-X44, X46-X59, Y40-Y86, Y88	1,365	14.8	213	11.9
Suicide	X60-X64, X66-X84, Y87	564	6.1	96	5.4
Homicide	X85-Y09, Y871	49	0.5	4	0.2
All other causes		175	1.9	93	5.2
SUBTOTAL		**7,584**	**82.2**	**1,477**	**82.6**
TOTAL		**9,229**	**100.0**	**1,789**	**100.0**

Note: Alcohol-related deaths – see Glossary for more details.
[1]ICD-10 codes for indirectly related to alcohol exclude the codes for directly related to alcohol and will not match the list of codes used for these categories in other tables.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 43
ALCOHOL-RELATED DEATHS BY CAUSE
BRITISH COLUMBIA, 2003



See Table 39 for ICD-10 codes for each category.

HIGHLIGHTS TO TABLE 39/FIGURE 43

Deaths that are 'directly' related to alcohol are identified by specific underlying causes of death that involve alcohol. Deaths 'indirectly' related to alcohol do not have an alcohol-related underlying cause of death, but alcohol was noted elsewhere on the *Medical Certification of Death*.

- There were 1,789 deaths directly and indirectly related to alcohol in 2003 and 9,229 in 1998-2002.
- In 2003, 312 deaths (17.4%) were directly related to alcohol, which is based on the underlying cause of death. In 1998-2002, 1,645 deaths or 17.8% of alcohol-related deaths were directly due to alcohol.
- Alcoholic liver disease accounted for more than half (55.8%) of the direct deaths from alcohol in 2003, higher than the proportion for 1998-2002 (47.5%). Alcoholic psychoses and dependence was the next largest category of deaths directly related to alcohol.
- There were 1,477 deaths (82.6%) indirectly related to alcohol in 2003. Circulatory system diseases were the largest category of deaths indirectly related to alcohol, accounting for almost three out of ten of the indirect deaths (29.0% in 2003 and 28.1% in 1998-2002). Other large causes of death in the indirect group were neoplasms and unintentional injury.

TABLE 40
ALCOHOL-RELATED DEATHS BY AGE AND GENDER
BRITISH COLUMBIA, 2003

Age	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
<15	1	0.1	-	-	1	0.1
15-19	11	0.8	2	0.5	13	0.7
20-24	27	2.0	2	0.5	29	1.6
25-44	184	13.3	55	13.5	239	13.4
45-64	525	38.0	160	39.2	685	38.3
65-84	563	40.8	144	35.3	707	39.5
85+	70	5.1	45	11.0	115	6.4
TOTAL	**1,381**	**100.0**	**408**	**100.0**	**1,789**	**100.0**

Note: Alcohol-related deaths – see Table 39 for ICD-10 codes and Glossary for more details.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality.
With the introduction of ICD-10 in 2000, more specific codes are available.
Currently produced data should not be used in combination with data produced prior to 2000.

HIGHLIGHTS TO TABLE 40

- There were 1,789 alcohol-related deaths in 2003.
- Out of every 100 alcohol-related deaths in 2003 approximately:
  - 77 were males (1,381)
  - 23 were females (408)
- Almost half (45.9 %) of all alcohol-related deaths were seniors (707 deaths aged 65-84 and 115 aged 85+) and more than a third (38.3%) were aged 45-64 (685 deaths).
- The proportions of alcohol-related deaths by age groups were similar for males and females.

Table 41

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA ALCOHOL-RELATED DEATHS, BRITISH COLUMBIA, 1998–2002 AND 2003

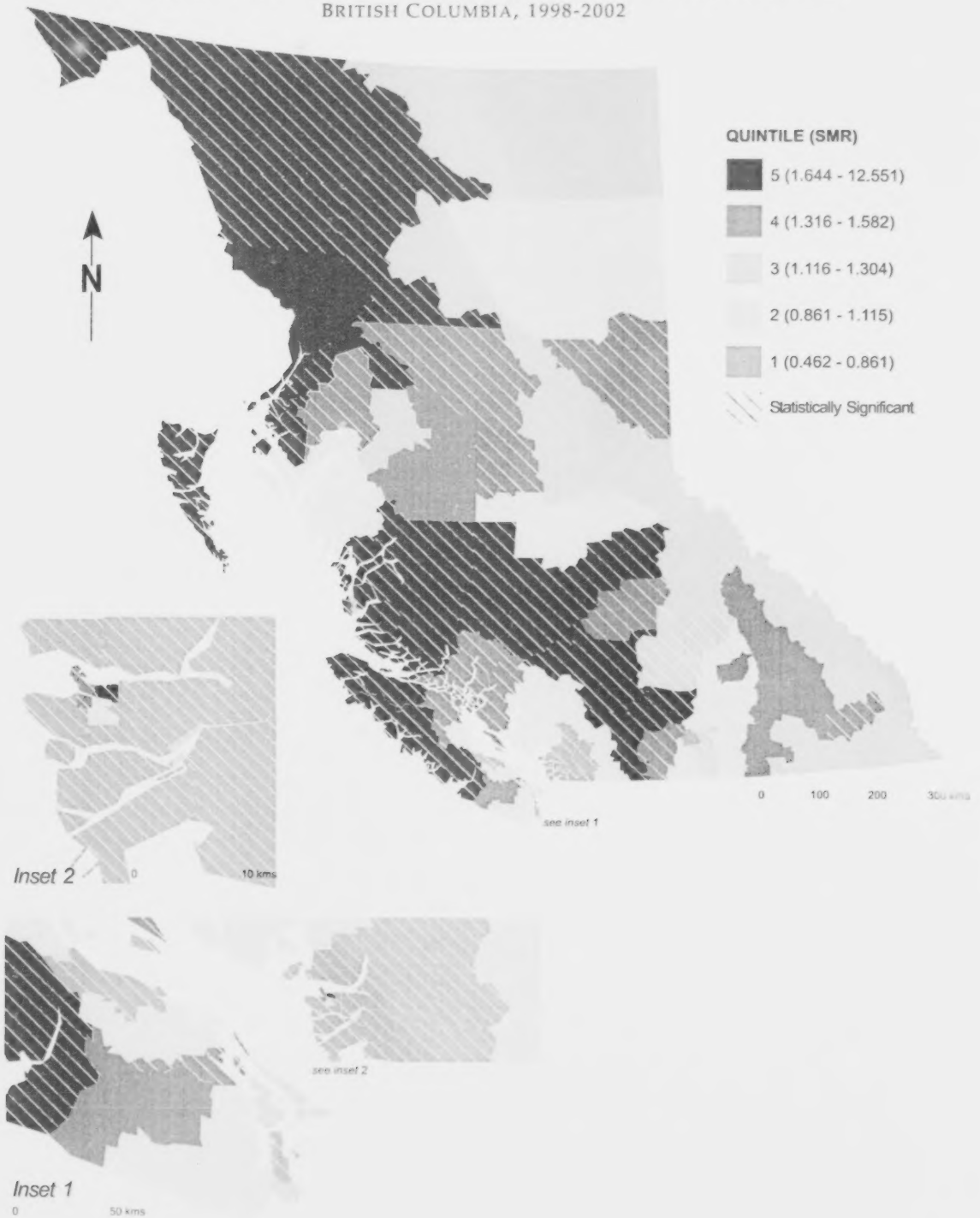
Local Health Area		1998–2002 Observed Deaths	1998–2002 SMR	(p)	2003 Observed Deaths	2003 Expected Deaths	2003 SMR	(p)	95% Confidence Interval Lower		Upper
001	Fernie	36	1.12		2	6.29	0.32		0.04	-	1.15
002	Cranbrook	71	1.24		15	11.12	1.35		0.75	-	2.22
003	Kimberley	37	1.50	*	8	4.65	1.72		0.74	-	3.39
004	Windermere	24	1.14		5	4.20	1.19		0.38	-	2.78
005	Creston	50	1.28		7	7.23	0.97		0.39	-	1.99
006	Kootenay Lake	15	1.52		5	1.88	2.66		0.86	-	6.22
007	Nelson	71	1.20		18	11.29	1.59		0.94	-	2.52
009	Castlegar	45	1.37		8	6.26	1.28		0.55	-	2.52
010	Arrow Lakes	22	1.54		6	2.71	2.21		0.81	-	4.81
011	Trail	71	1.30	*	21	10.21	2.06	*	1.27	-	3.14
012	Grand Forks	36	1.32		5	5.09	0.98		0.32	-	2.29
013	Kettle Valley	9	0.86		-	1.98	-		-	-	-
014	Southern Okanagan	83	1.23		16	12.67	1.26		0.72	-	2.05
015	Penticton	155	1.25	*	23	22.93	1.00		0.64	-	1.50
016	Keremeos	17	1.01		2	3.31	0.61		0.07	-	2.18
017	Princeton	24	1.58	*	4	2.96	1.35		0.36	-	3.46
018	Golden	17	1.18		1	2.91	0.34		0.00	-	1.91
019	Revelstoke	25	1.37		7	3.55	1.97		0.79	-	4.06
020	Salmon Arm	80	0.88		25	17.14	1.46		0.94	-	2.15
021	Armstrong-Spallumcheen	22	0.91		7	4.68	1.49		0.60	-	3.08
022	Vernon	172	1.11		32	29.51	1.08		0.74	-	1.53
023	Central Okanagan	377	0.94		76	77.44	0.98		0.77	-	1.23
024	Kamloops	290	1.24	*	59	45.22	1.30		0.99	-	1.68
025	100 Mile House	56	1.45	*	13	7.31	1.78		0.95	-	3.04
026	North Thompson	13	1.25		2	2.09	0.96		0.11	-	3.46
027	Cariboo-Chilcotin	91	1.64	*	22	10.63	2.07	*	1.30	-	3.13
028	Quesnel	60	1.11		14	10.29	1.36		0.74	-	2.28
029	Lillooet	34	3.45	*	2	1.89	1.06		0.12	-	3.82
030	South Cariboo	36	1.79	*	12	3.85	3.12	*	1.61	-	5.45
031	Merritt	52	2.07	*	6	4.76	1.26		0.46	-	2.74
032	Hope	42	1.83	*	7	4.43	1.58		0.63	-	3.26
033	Chilliwack	161	0.94		27	32.68	0.83		0.54	-	1.20
034	Abbotsford	156	0.60	*	29	50.65	0.57	*	0.38	-	0.82
035	Langley	172	0.69	*	34	47.77	0.71	*	0.49	-	0.99
037	Delta	122	0.56	*	33	40.97	0.81		0.55	-	1.13
038	Richmond	166	0.46	*	34	73.54	0.46	*	0.32	-	0.65
040	New Westminster	164	1.26	*	28	25.37	1.10		0.73	-	1.59
041	Burnaby	336	0.76	*	59	87.17	0.68	*	0.52	-	0.87
042	Maple Ridge	128	0.81	*	31	32.27	0.96		0.65	-	1.36
043	Coquitlam	267	0.73	*	55	75.58	0.73	*	0.55	-	0.95
044	North Vancouver	234	0.80	*	42	57.26	0.73	*	0.53	-	0.99
045	West Vancouver-Bowen Is.	79	0.53	*	15	28.61	0.52	*	0.29	-	0.86
046	Sunshine Coast	82	1.10		14	14.19	0.99		0.54	-	1.66
047	Powell River	76	1.41	*	18	10.26	1.76	*	1.04	-	2.77
048	Howe Sound	49	0.99		20	9.91	2.02	*	1.23	-	3.12
049	Bella Coola Valley	14	2.23	*	6	1.21	4.98	*	1.82	-	10.83
050	Queen Charlotte	29	2.91	*	3	1.91	1.57		0.32	-	4.59
051	Snow Country	3	1.98		-	0.30	-		-	-	-
052	Prince Rupert	68	2.19	*	6	5.48	1.09		0.40	-	2.38
053	Upper Skeena	32	3.34	*	3	1.85	1.62		0.33	-	4.73
054	Smithers	37	1.20		4	5.84	0.68		0.18	-	1.75
055	Burns Lake/Eutsuk	21	1.33		2	3.08	0.65		0.07	-	2.35
056	Nechako	45	1.43	*	15	5.97	2.51	*	1.41	-	4.14
057	Prince George	202	1.12		42	35.09	1.20		0.86	-	1.62
059	Peace River South	76	1.47	*	13	9.69	1.34		0.71	-	2.29
060	Peace River North	53	1.07		14	9.80	1.43		0.78	-	2.40
061	Greater Victoria	670	1.24	*	123	100.76	1.22	*	1.01	-	1.46
062	Sooke	103	0.93		32	21.98	1.46		1.00	-	2.06
063	Saanich	131	0.69	*	25	36.02	0.69		0.45	-	1.02
064	Gulf Islands	55	1.16		9	8.99	1.00		0.46	-	1.90
065	Cowichan	138	1.05		33	25.37	1.30		0.90	-	1.83
066	Lake Cowichan	21	1.36		5	3.01	1.66		0.54	-	3.88
067	Ladysmith	65	1.39	*	11	8.89	1.24		0.62	-	2.21
068	Nanaimo	247	1.07		49	44.26	1.11		0.82	-	1.46
069	Qualicum	78	0.58	*	33	25.87	1.28		0.88	-	1.79
070	Alberni	133	1.73	*	13	14.56	0.89		0.48	-	1.53
071	Courtenay	139	0.95		41	28.07	1.46	*	1.05	-	1.98
072	Campbell River	133	1.53	*	26	16.73	1.55	*	1.01	-	2.28
075	Mission	58	0.76	*	10	14.83	0.67		0.32	-	1.24
076	Agassiz-Harrison	21	1.08		4	3.87	1.03		0.28	-	2.64
077	Summerland	29	0.77		2	6.97	0.29		0.03	-	1.04
078	Enderby	26	1.36		4	3.62	1.10		0.30	-	2.83
080	Kitimat	23	1.02		6	4.16	1.44		0.53	-	3.14
081	Fort Nelson	9	1.12		4	1.58	2.53		0.68	-	6.49
083	Central Coast	16	5.06	*	2	0.61	3.29		0.37	-	11.89
084	Vancouver Island West	15	3.28	*	1	0.76	1.32		0.02	-	7.34
085	Vancouver Island North	53	2.08	*	10	4.82	2.07		0.99	-	3.81
087	Stikine	8	3.12	*	1	0.51	1.95		0.03	-	10.86
088	Terrace	56	1.39	*	15	7.54	1.99	*	1.11	-	3.28
092	Nisga'a	12	3.83	*	7	0.58	12.07	*	4.84	-	24.88
094	Telegraph Creek	13	12.55	*	-	0.19	-		-	-	-
161	Vancouver City Centre	314	1.58	*	46	37.97	1.21		0.89	-	1.62
162	Vancouver Downtown E. Side	498	3.85	*	83	24.50	3.39	*	2.70	-	4.20
163	Vancouver North East	181	0.86	*	26	40.73	0.64	*	0.42	-	0.94
164	Vancouver West Side	140	0.52	*	15	49.32	0.30	*	0.17	-	0.50
165	Vancouver Midtown	173	0.99		30	33.90	0.89		0.60	-	1.26
166	Vancouver South	180	0.64	*	26	53.86	0.48	*	0.32	-	0.71
201	Surrey	456	0.82	*	92	113.27	0.81	*	0.65	-	1.00
202	South Surrey/White Rock	116	0.52	*	21	43.99	0.48	*	0.30	-	0.73
	PROVINCIAL TOTAL	**9,229**	**1.00**		**1,789**	**1,789.00**	**1.00**		**0.95**	-	**1.05**

Note: Notes for table follow table highlights.

FIGURE 44

ALCOHOL-RELATED DEATHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998-2002



Note: SMR - Standardized Mortality Ratio. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 41/FIGURE 44

- There were 13 LHAs with statistically significant and high Standardized Mortality Ratios (SMRs) for alcohol-related deaths in 2003. The ratios for the five highest (number of deaths in parentheses) were:

092	Nisga'a	(7)	12.07
049	Bella Coola Valley	(6)	4.98
162	Vancouver Downtown E. Side	(83)	3.39
030	South Cariboo	(12)	3.12
056	Nechako	(15)	2.51

- All the above LHAs also had statistically significant high SMRs for alcohol-related deaths in 1998-2002.
- There were 12 LHAs with statistically significant and low SMRs for alcohol-related deaths in 2003. The five LHAs with the lowest SMRs (number of deaths in parentheses) were:

164	Vancouver West Side	(15)	0.30
038	Richmond	(34)	0.46
202	South Surrey/White Rock	(21)	0.48
166	Vancouver South	(26)	0.48
045	West Vancouver-Bowen Is.	(15)	0.52

- All the above LHAs also had statistically significant low SMRs for alcohol-related deaths in 1998-2002.
- There were three LHAs with no alcohol-related deaths in 2003.
- In the 1998-2002 period, there were 32 LHAs with statistically significant and high SMRs for alcohol-related deaths. The five LHAs with the highest statistically significant SMRs (number of deaths in parentheses) were:

094	Telegraph Creek	(13)	12.55
083	Central Coast	(16)	5.06
162	Vancouver Downtown E. Side	(498)	3.85
092	Nisga'a	(12)	3.83
029	Lillooet	(34)	3.45

- There were 17 LHAs with statistically significant and low SMRs for alcohol-related deaths in 1998-2002. The five LHAs with the lowest statistically significant SMRs (number of deaths in parentheses) were:

038	Richmond	(166)	0.46
202	South Surrey/White Rock	(116)	0.52
164	Vancouver West Side	(140)	0.52
045	West Vancouver-Bowen Is.	(79)	0.53
037	Delta	(122)	0.56

Notes to Table 41

Note: *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

TABLE 42
SMOKING-ATTRIBUTABLE MORTALITY
BRITISH COLUMBIA, 2003

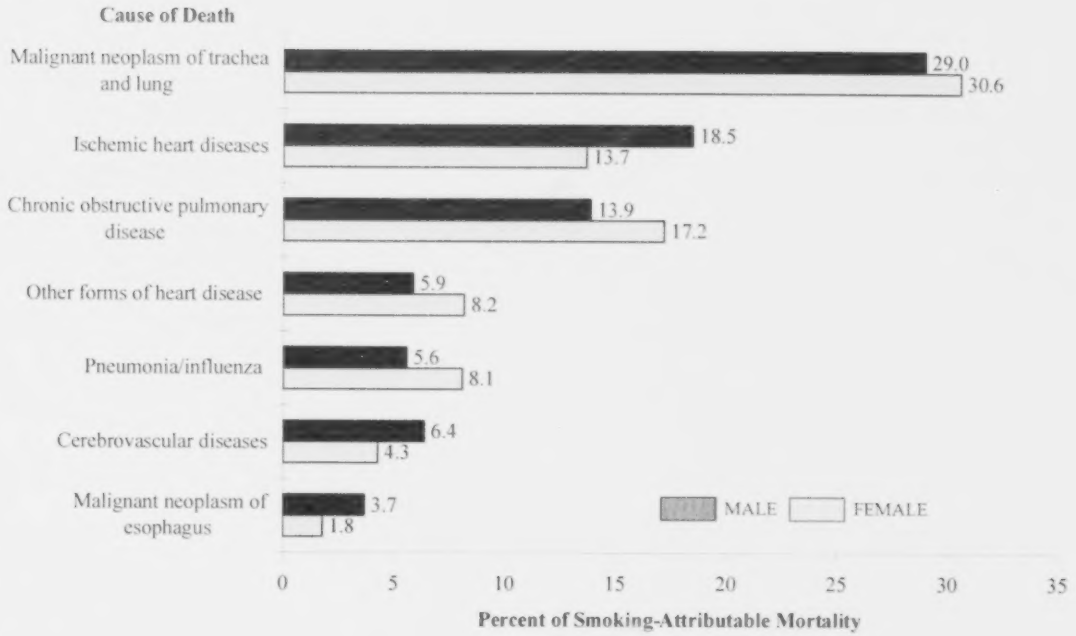
Cause of Death	ICD-10 Code(s)	Male				Female				Total		
		Deaths	SAM (%)	SAM Number	SAM Percent	Deaths	SAM (%)	SAM Number	SAM Percent	Deaths	SAM Number	SAM Percent
Malignant Neoplasms												
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14	94	91.2	85	2.4	53	59.9	33	1.4	147	118	2.0
Malignant neoplasm of esophagus	C15	164	78.2	129	3.7	61	71.0	43	1.8	225	172	2.9
Malignant neoplasm of pancreas	C25	224	22.7	46	1.3	240	33.9	82	3.5	464	128	2.2
Malignant neoplasm of larynx	C32	33	79.7	27	0.8	9	87.2	9	0.4	42	36	0.6
Malignant neoplasm of trachea and lung	C33-C34	1,143	89.3	1,021	29.0	937	76.5	715	30.6	2,080	1,736	29.7
Malignant neoplasms of cervix, uterus	C53-C55	-	-	-	-	131	33.9	44	1.9	131	44	0.8
Malignant neoplasm of bladder	C67	148	44.8	68	1.9	60	37.6	23	1.0	208	91	1.6
Malignant neoplasm of kidney and other unspecified urinary organs	C64-C66, C68	104	46.8	48	1.4	70	12.4	7	0.3	174	55	0.9
SUBTOTAL		**1,910**		**1,424**	**40.5**	**1,561**		**956**	**41.0**	**3,471**	**2,380**	**40.7**
Circulatory System Diseases												
Hypertension	I10-I13	115	24.6	28	0.8	165	16.4	26	1.1	280	54	0.9
Ischemic heart diseases:	I20-I25											
35-64 years		438	43.2	189	5.4	99	36.5	36	1.5	537	225	3.8
65+ years		2,172	22.1	459	13.1	1,947	14.6	284	12.2	4,119	743	12.7
Other forms of heart disease	I01-I09, I27, I30-I52	782	26.5	207	5.9	977	19.4	191	8.2	1,759	398	6.8
Cerebrovascular diseases:	I60-I69											
35-64 years		81	44.8	36	1.0	77	49.3	37	1.6	158	73	1.2
65+ years		810	23.4	189	5.4	1,285	4.8	62	2.7	2,095	251	4.3
Atherosclerosis	I70	190	55.5	108	3.1	150	31.7	48	2.1	340	156	2.7
Aortic aneurysm	I71	133	55.5	75	2.1	85	31.7	26	1.1	218	101	1.7
Other arterial diseases	I26, I28, I72-I78	92	55.5	52	1.5	107	31.7	34	1.5	199	86	1.5
SUBTOTAL		**4,813**		**1,343**	**38.2**	**4,892**		**744**	**31.9**	**9,705**	**2,087**	**35.7**
Respiratory System Diseases												
Pneumonia/influenza	J10-J181, J188, J189	597	32.7	196	5.6	708	26.3	188	8.1	1,305	384	6.6
Bronchitis, emphysema	J40-J43	70	84.7	60	1.7	39	79.2	31	1.3	109	91	1.6
Chronic obstructive pulmonary disease	J44	578	84.7	488	13.9	506	79.2	401	17.2	1,084	889	15.2
Other respiratory diseases	A15-A19, J45-J46	16	32.7	6	0.2	43	26.3	13	0.6	59	19	0.3
SUBTOTAL		**1,261**		**750**	**21.3**	**1,296**		**633**	**27.1**	**2,557**	**1,383**	**23.6**
TOTAL		**7,984**		**3,517**	**100.0**	**7,749**		**2,333**	**100.0**	**15,733**	**5,850**	**100.0**

Note: Deaths are the total number of deaths aged 35+ years or as specified in the diagnostic category.
SAM – Smoking-Attributable Mortality, derived by multiplying the SAM(%) by the number of deaths in each category.
See glossary under Smoking-Attributable Mortality Percent for a definition of the formula for SAM(%).
Total SAM Number may not add up to the sum of Male SAM Number and Female SAM Number due to rounding.
Non-residents are excluded.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 45

SMOKING-ATTRIBUTABLE MORTALITY BY SELECTED CAUSES AND GENDER

BRITISH COLUMBIA, 2003



Note: Ischemic heart disease includes 35-64 years and 65+ years.
Cerebrovascular disease includes 35-64 years and 65+ years.

HIGHLIGHTS TO TABLE 42/FIGURE 45

- In 2003, there were 5,850 deaths that were attributed to smoking. Smoking-attributable mortality (SAM) is based on estimates of the relative exposure risk of the adult population (age 35 or older). A detailed definition of this term is provided in the Glossary. Table 42 presents, for each specific cause of death, the total number of deaths by gender, the proportion of these deaths which are attributed to smoking (labelled SAM%), and the number of SAM deaths.
- Smoking-attributable mortality can be grouped into deaths from malignant neoplasms (cancer), circulatory system diseases, and respiratory system diseases. Out of 100 smoking-attributable deaths in 2003; approximately:
  - 41 were from malignant neoplasms (2,380)
  - 36 were from circulatory system diseases (2,087)
  - 24 were from respiratory system diseases (1,383)
- By specific causes of death, malignant neoplasm of trachea and lung (lung cancer) was the major contributor (1,736 deaths) to smoking-attributable mortality in 2003, followed by ischemic heart disease (968) and chronic obstructive pulmonary disease (889). Together these three causes of death accounted for 3,593 deaths or 61.4% of smoking attributable mortality in the province in 2003.
- Three in five smoking-attributable deaths (60.1%) were males (3,517 deaths).

Vital Statistics Information Box

Deaths Aged 100+ by Health Service Delivery Area

British Columbia, 1986-2003

HSDA		1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total	%
11	East Kootenay	3	2	1	2	2	3	2	2	2	1	6	2	3	4	3	-	1	5	44	1.3
12	Kootenay Boundary	2	1	3	2	7	5	2	7	2	4	3	3	6	2	3	1	4	4	61	1.8
13	Okanagan	9	12	17	12	7	18	15	18	16	19	20	20	13	14	18	30	27	23	308	8.9
14	Thompson Cariboo Shuswap	5	4	4	2	10	6	3	7	6	7	5	6	14	7	6	5	14	7	118	3.4
21	Fraser East	11	10	7	6	6	10	10	9	14	11	15	12	12	11	17	18	13	9	201	5.8
22	Fraser North	14	28	14	29	26	18	22	24	29	16	18	25	14	20	26	23	27	17	390	11.3
23	South Fraser	13	25	11	13	19	12	18	17	24	24	9	16	25	29	30	14	15	19	333	9.6
31	Richmond	4	2	2	5	3	10	5	6	5	3	6	5	6	4	10	4	6	86	2.5	
32	Vancouver	31	50	44	23	51	29	38	41	36	40	51	38	42	36	41	42	43	47	723	20.9
33	North Shore/ Coast Garibaldi	9	10	19	12	16	14	14	11	12	11	16	5	10	17	19	17	23	15	250	7.2
41	S. Vancouver Island	25	40	36	35	27	38	38	40	49	42	39	35	46	28	38	27	32	28	643	18.6
42	C. Vancouver Island	8	7	6	9	11	5	13	7	15	9	8	8	9	9	12	8	10	15	169	4.9
43	N. Vancouver Island	-	2	4	1	4	2	7	1	2	4	7	1	5	2	1	2	4	5	54	1.6
51	North West	-	1	1	1	2	-	-	1	3	-	2	1	3	1	5	3	1	2	27	0.8
52	Northern Interior	-	2	-	2	1	3	2	1	1	2	3	2	3	4	1	2	2	3	34	1.0
53	Peace Liard	1	1	-	-	3	1	1	-	1	2	1	-	3	-	2	3	-	2	21	0.6
	PROVINCIAL TOTAL	135	197	169	154	195	174	190	192	217	192	206	180	213	190	226	205	220	207	3,462	100.0

- **Since 1990, an average of 200 British Columbia residents aged 100 years or older died each year.**
- **One fifth (20.9%) of the centenarian deaths (aged 100 or more) are residents of HSDA 32 Vancouver, and nearly as many (18.6%) are residents of 41 South Vancouver Island.**

Vital Statistics Information Box

Age at Death of the Oldest Male and Female

British Columbia, 1986-2003

Gender	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Male	105	107	105	106	106	105	105	105	109	108	108	106	109	108	109	104	104	107
Female	109	107	108	108	107	109	107	109	108	108	109	109	107	108	109	109	108	107

TABLE 43
DRUG–INDUCED DEATHS BY AGE AND GENDER
BRITISH COLUMBIA, 2003

Age	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
<15	-	-	1	0.9	1	0.3
15-19	2	1.0	1	0.9	3	1.0
20-24	13	6.6	7	6.6	20	6.6
25-44	92	46.5	50	47.2	142	46.7
45-64	79	39.9	36	34.0	115	37.8
65-84	10	5.1	5	4.7	15	4.9
85+	2	1.0	6	5.7	8	2.6
TOTAL	**198**	**100.0**	**106**	**100.0**	**304**	**100.0**

Note: Excludes tobacco and alcohol.
Drug-induced deaths – see Table 44 for ICD-10 codes and Glossary for more details.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

HIGHLIGHTS TO TABLE 43

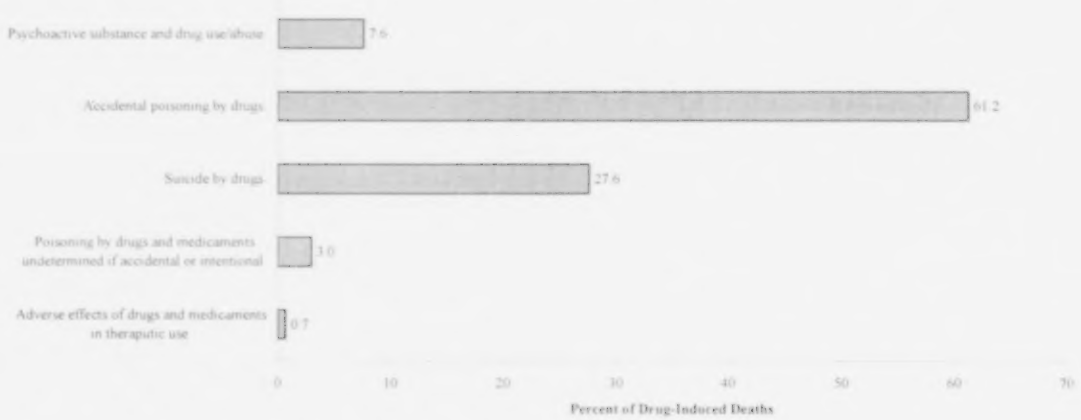
- There were 304 deaths to B.C. residents from drug-induced causes in 2003. This grouping of underlying causes of death includes accidental drug poisonings, suicides involving drugs, and adverse effects of drugs in therapeutic use.
- Two thirds (65.1%) of drug-induced deaths in 2003 were males (198 males compared to 106 females).
- Drug-induced deaths occurred in every age group. Almost half (46.7%) the drug-induced deaths occurred in the 25-44 age group (142 deaths) and another third (37.8%) were aged 45-64 (115 deaths).
- Except for age 85+, the percentage of drug-induced deaths by age group were similar for males and females in 2003.

TABLE 44
DRUG-INDUCED DEATHS BY CAUSE
BRITISH COLUMBIA, 1998–2002 AND 2003

Cause of Death	ICD-10 Code(s)	Year of Death: 1998–2002 Number	1998–2002 Percent	2003 Number	2003 Percent
Psychoactive substance and drug use/abuse	F11-F16, F19	76	3.2	23	7.6
Accidental poisoning by drugs	X40-X44	1,669	69.7	186	61.2
Suicide by drugs	X60-X64	500	20.9	84	27.6
Assault by drugs and medicaments	X85	3	0.1	-	-
Poisoning by drugs and medicaments undetermined if accidental or intentional	Y10-Y14	79	3.3	9	3.0
Adverse effects of drugs and medicaments in theraputic use	Y40-Y574, Y577-Y579, Y598, Y880	67	2.8	2	0.7
Other drug causes *	D521, D590, ...R825	-	-	-	-
TOTAL		**2,394**	**100.0**	**304**	**100.0**

Note: Excludes tobacco and alcohol. Total percentage may not add to 100 due to rounding. Non-residents are excluded.
*ICD-10 codes D521, D590, D592, D611, D642, E032, E064, E231, E242, E273, F55, F551, G210, G211, G240, G251, G254, G256, G444, G620, G720, H263, I427, I952, J702, J703, J704, L105, L233, L244, L251, L270, L271, L432, L560, L561, L640, M022, M102, M320, M804, M814, M835, M871, N140, N141, N142, O355, P040, P041, P044, P584, P961, P962, R781, R782, R783, R784, R785, R786, R825.

FIGURE 46
DRUG-INDUCED DEATHS BY CAUSE
BRITISH COLUMBIA, 2003



HIGHLIGHTS TO TABLE 44/FIGURE 46

- There were 304 deaths to B.C. residents from drug-induced causes in 2003 and 2,394 in 1998-2002.
- Three out of five (61.2%) drug-induced deaths in 2003 and more than two thirds (69.7%) in 1998-2002 were the result of accidental poisoning by drugs (186 and 1,669 deaths, respectively).
- More than a quarter (27.6%) of induced deaths in 2003 and one in five (20.9%) in 1998-2002 were the result of suicide by drugs (84 deaths in 2003 and 500 in 1998-2002).
- Of the 424 suicide deaths in B.C. in 2003 (presented in Table 30), 84 suicides, or approximately one fifth of suicide deaths (19.8%), were drug-induced.

Table 45

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA DRUG-INDUCED DEATHS, BRITISH COLUMBIA, 1998–2002 AND 2003

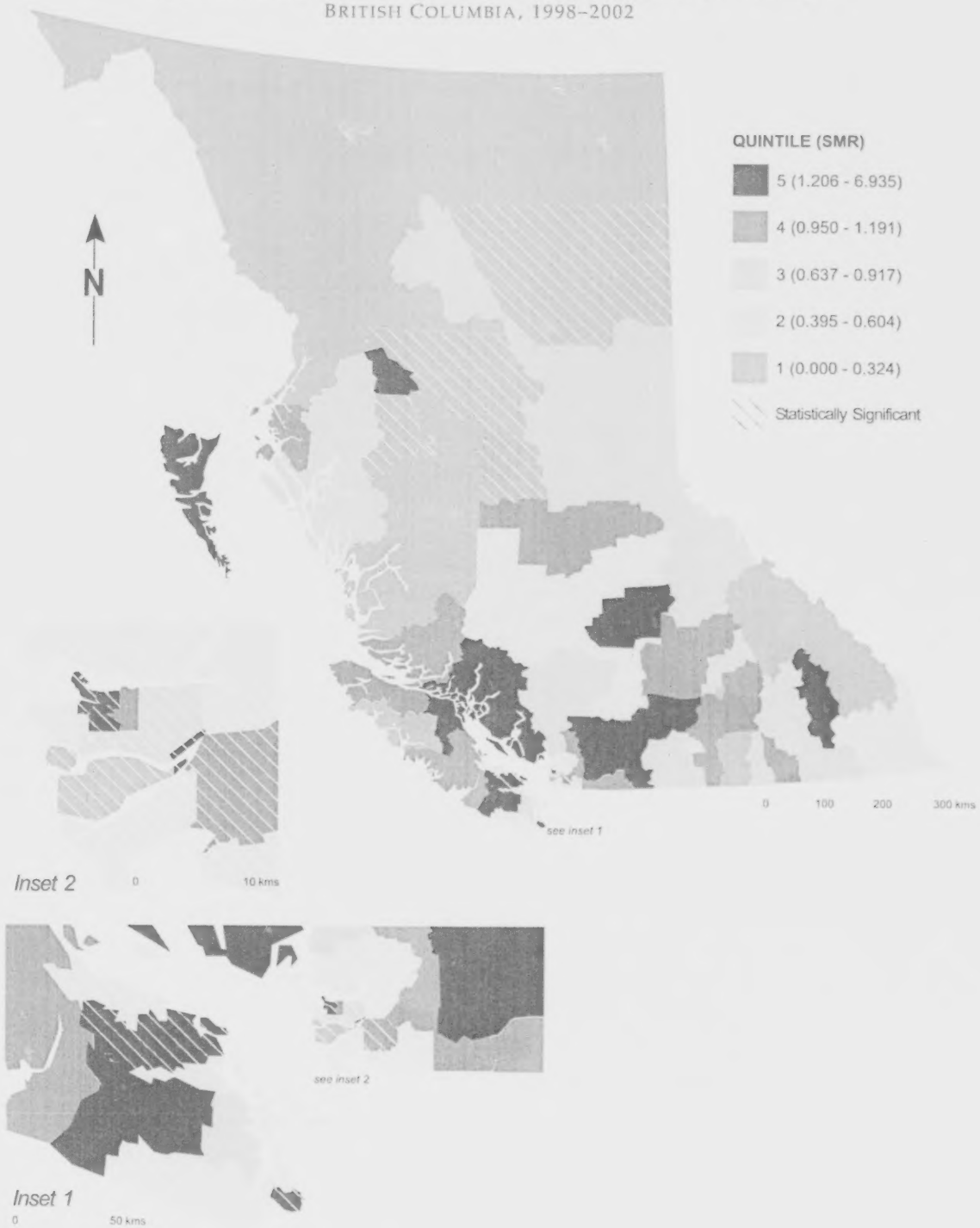
	Local Health Area	1998–2002 Observed Deaths	1998–2002 SMR (p)		2003 Observed Deaths	2003 Expected Deaths	2003 SMR (p)		2003 95% Confidence Interval Lower		2003 95% Confidence Interval Upper
001	Fernie	4	0.43		-	1.17	-		-	-	-
002	Cranbrook	7	0.48	*	2	1.82	1.10		0.12	-	3.97
003	Kimberley	3	0.59		2	0.64	3.12		0.35	-	11.28
004	Windermere	1	0.19		-	0.71	-		-	-	-
005	Creston	6	0.92		-	0.82	-		-	-	-
006	Kootenay Lake	3	1.46		-	0.25	-		-	-	-
007	Nelson	13	0.90		-	1.80	-		-	-	-
009	Castlegar	8	1.03		-	0.97	-		-	-	-
010	Arrow Lakes	2	0.68		-	0.36	-		-	-	-
011	Trail	12	1.02		-	1.48	-		-	-	-
012	Grand Forks	4	0.78		-	0.63	-		-	-	-
013	Kettle Valley	-	-		-	0.25	-		-	-	-
014	Southern Okanagan	11	1.16		1	1.21	0.82		0.01	-	4.59
015	Penticton	21	0.96		2	2.75	0.73		0.08	-	2.62
016	Keremeos	2	0.77		-	0.33	-		-	-	-
017	Princeton	2	0.73		-	0.33	-		-	-	-
018	Golden	-	-		-	0.56	-		-	-	-
019	Revelstoke	1	0.20		1	0.61	1.63		0.02	-	9.07
020	Salmon Arm	12	0.69		2	2.19	0.91		0.10	-	3.30
021	Armstrong-Spallumcheen	-	-		-	0.70	-		-	-	-
022	Vernon	36	1.10		8	4.14	1.93		0.83	-	3.81
023	Central Okanagan	89	1.04		10	11.16	0.90		0.43	-	1.65
024	Kamloops	70	1.18		6	7.37	0.81		0.30	-	1.77
025	100 Mile House	12	1.44		-	1.00	-		-	-	-
026	North Thompson	2	0.68		-	0.37	-		-	-	-
027	Cariboo-Chilcotin	10	0.60		1	2.01	0.50		0.01	-	2.76
028	Quesnel	14	0.95		1	1.78	0.56		0.01	-	3.13
029	Lillooet	2	0.74		-	0.32	-		-	-	-
030	South Cariboo	2	0.47		-	0.54	-		-	-	-
031	Merritt	10	1.57		1	0.77	1.29		0.02	-	7.18
032	Hope	6	1.28		1	0.59	1.70		0.02	-	9.45
033	Chilliwack	38	0.97		6	4.98	1.21		0.44	-	2.62
034	Abbotsford	66	1.00		5	8.81	0.57		0.18	-	1.32
035	Langley	40	0.60	*	6	8.37	0.72		0.26	-	1.56
037	Delta	29	0.50	*	7	7.24	0.97		0.39	-	1.99
038	Richmond	33	0.32	*	6	13.13	0.46	*	0.17	-	0.99
040	New Westminster	68	1.82	*	9	4.81	1.87		0.85	-	3.55
041	Burnaby	86	0.70	*	10	15.66	0.64		0.31	-	1.17
042	Maple Ridge	46	0.97		5	6.43	0.78		0.25	-	1.82
043	Coquitlam	69	0.58	*	7	15.77	0.44	*	0.18	-	0.91
044	North Vancouver	45	0.56	*	8	10.23	0.78		0.34	-	1.54
045	West Vancouver-Bowen Is	12	0.44	*	1	3.50	0.29		0.00	-	1.59
046	Sunshine Coast	18	1.21		1	1.88	0.53		0.01	-	2.96
047	Powell River	14	1.21		1	1.43	0.70		0.01	-	3.90
048	Howe Sound	15	0.77		-	2.43	-		-	-	-
049	Bella Coola Valley	-	-		-	0.23	-		-	-	-
050	Queen Charlotte	4	1.21		-	0.41	-		-	-	-
051	Snow Country	-	-		-	0.06	-		-	-	-
052	Prince Rupert	12	1.19		1	1.17	0.86		0.01	-	4.76
053	Upper Skeena	4	1.24		-	0.39	-		-	-	-
054	Smithers	2	0.19	+	-	1.24	-		-	-	-
055	Burns Lake/Eutsuk	-	-		-	0.52	-		-	-	-
056	Nechako	2	0.20	+	1	1.17	0.86		0.01	-	4.77
057	Prince George	51	0.85		7	7.25	0.97		0.39	-	1.99
059	Peace River South	10	0.64		1	1.86	0.54		0.01	-	2.99
060	Peace River North	5	0.29	*	-	2.16	-		-	-	-
061	Greater Victoria	212	1.70	*	24	15.63	1.54		0.98	-	2.29
062	Sooke	19	0.59	*	6	4.06	1.48		0.54	-	3.21
063	Saanich	20	0.60	*	4	4.30	0.93		0.25	-	2.38
064	Gulf Islands	3	0.40		2	0.98	2.05		0.23	-	7.40
065	Cowichan	21	0.72		3	3.63	0.83		0.17	-	2.41
066	Lake Cowichan	5	1.42		-	0.44	-		-	-	-
067	Ladysmith	4	0.45		2	1.14	1.76		0.20	-	6.36
068	Nanaimo	68	1.29	*	7	6.67	1.05		0.42	-	2.16
069	Qualicum	10	0.47	*	-	2.75	-		-	-	-
070	Alberni	18	0.99		2	2.24	0.89		0.10	-	3.22
071	Courtenay	32	0.98		4	4.10	0.98		0.26	-	2.50
072	Campbell River	31	1.32		7	2.85	2.46		0.98	-	5.06
075	Mission	27	1.26		4	2.66	1.50		0.40	-	3.84
076	Agassiz-Harrison	8	1.67		1	0.61	1.63		0.02	-	9.08
077	Summerland	3	0.49		-	0.78	-		-	-	-
078	Enderby	4	1.01		-	0.50	-		-	-	-
080	Kitimat	6	0.85		-	0.81	-		-	-	-
081	Fort Nelson	1	0.27		-	0.46	-		-	-	-
083	Central Coast	-	-		-	0.12	-		-	-	-
084	Vancouver Island West	-	-		-	0.18	-		-	-	-
085	Vancouver Island North	9	1.05		2	1.00	2.00		0.22	-	7.23
087	Stikine	-	-		-	0.09	-		-	-	-
088	Terrace	11	0.86		-	1.53	-		-	-	-
092	Nisga'a	-	-		-	0.12	-		-	-	-
094	Telegraph Creek	-	-		-	0.04	-		-	-	-
161	Vancouver City Centre	122	1.71	*	19	9.07	2.10	*	1.26	-	3.27
162	Vancouver Downtown E. Side	257	6.93	*	28	4.44	6.30	*	4.19	-	9.11
163	Vancouver North East	63	1.07		12	7.24	1.66		0.86	-	2.90
164	Vancouver West Side	39	0.51	*	7	9.40	0.74		0.30	-	1.53
165	Vancouver Midtown	73	1.30	*	7	6.83	1.02		0.41	-	2.11
166	Vancouver South	50	0.68	*	6	9.18	0.65		0.24	-	1.42
201	Surrey	204	1.15	*	29	23.81	1.22		0.82	-	1.75
202	South Surrey/White Rock	23	0.57	*	6	5.59	1.07		0.39	-	2.34
	PROVINCIAL TOTAL	**2,394**	**1.00**		**304**	**304.00**	**1.00**		**0.89**	-	**1.12**

Note: *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed).
+Denotes significance based on less than five deaths. SMR - Standardized Mortality Ratio. Non-residents are excluded.

FIGURE 47

DRUG-INDUCED DEATHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1998–2002



Note: SMR - Standardized Mortality Ratio. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 45/FIGURE 47

- In 2003, there were two Local Health Areas (LHAs) with statistically significant and high Standardized Mortality Ratios (SMR) for drug-induced deaths (with number of drug-induced deaths in parentheses):

162	Vancouver Downtown E. Side	(28)	6.30
161	Vancouver City Centre	(19)	2.10

- The LHAs above also had statistically significant and high SMRs in 1998-2002.
- In 2003, there were two Local Health Areas (LHAs) with statistically significant and low SMRs for drug-induced deaths (with number of drug-induced deaths in parentheses):

043	Coquitlam	(7)	0.44
038	Richmond	(6)	0.46

- The LHAs above also had statistically significant and low SMRs in 1998-2002.
- There were 38 LHAs with no drug-induced deaths in 2003.
- There were seven LHAs with statistically significant and high SMRs in the 1998-2002 period (number of deaths in parentheses):

162	Vancouver Downtown E. Side	(257)	6.93
040	New Westminster	(68)	1.82
161	Vancouver City Centre	(122)	1.71
061	Greater Victoria	(212)	1.70
165	Vancouver Midtown	(73)	1.30
068	Nanaimo	(68)	1.29
201	Surrey	(204)	1.15

- In the 1998-2002 period, the LHAs with the lowest statistically significant SMRs for drug-induced deaths were 054 Smithers (with a ratio of 0.19) and 056 Nechako (0.20), but these ratios are not considered reliable since each is based on only two deaths. There were 15 LHAs with statistically significant and low SMRs based on five or more drug-induced deaths; the five lowest SMRs (number of drug-induced deaths in parentheses) were:

060	Peace River North	(5)	0.29
038	Richmond	(33)	0.32
045	West Vancouver-Bowen Is.	(12)	0.44
069	Qualicum	(10)	0.47
002	Cranbrook	(7)	0.48

- Eleven LHAs had no drug-induced deaths in 1998-2002.

Vital Statistics Information Box

British Columbia Resident Deaths Including Alberta, 1998-2002

- A total of 619 deaths to B.C. residents occurred in Alberta in 1998-2002. There were 26 Local Health Areas with no residents who died in Alberta in 1998-2002. Most LHAs (57 out of 89) had from one to twenty four residents who died in Alberta, and six had more than 24 deaths in Alberta.
- The LHAs which averaged five or more resident deaths in Alberta per year (25 or more in the five year period) were (with number of Alberta deaths in parentheses):

059	Peace River South	(80)
002	Cranbrook	(66)
162	Vancouver Downtown E. Side	(54)
060	Peace River North	(50)
001	Fernie	(44)
005	Creston	(35)

- There were 39 LHAs with Standardized Mortality Ratios (SMR) for all causes of death which were not statistically significant based on B.C. deaths only (see Table 33). Adding Alberta data resulted in statistical significance for four LHAs. The two LHAs with SMRs which were statistically significant and high when Alberta deaths were added were (with SMR and number of deaths in parentheses):

018	Golden	(1.21	201	deaths including 18 in Alberta)
002	Cranbrook	(1.12	904	deaths including 66 in Alberta)

The two LHAs with SMRs which were statistically significant and low when Alberta deaths were added were 034 Abbotsford and 201 Surrey.

- There were 53 LHAs with SMRs for all causes of death which were statistically significant based on B.C. deaths only; three of these changed when Alberta deaths were added. The SMR for LHA 022 Vernon was no longer statistically significant and high with the addition of Alberta deaths, and 004 Windermere and 041 Burnaby were no longer statistically significant and low for all causes of death.

(concluded on page 118)

Vital Statistics Information Box

All Causes of Death To British Columbia Residents (including Alberta) by Local Health Area, 1998–2002

Local Health Area		Observed Deaths (BC + AB)	Expected Deaths	SMR	(p)
001	Fernie	423	400.6	1.06	
002	Cranbrook	904	809.3	1.12	*
003	Kimberley	433	400.7	1.08	
004	Windermere	242	268.8	0.90	
005	Creston	713	671.3	1.06	
006	Kootenay Lake	141	151.0	0.93	
007	Nelson	900	897.9	1.00	
009	Castlegar	549	504.8	1.09	
010	Arrow Lakes	240	226.8	1.06	
011	Trail	1,030	937.9	1.10	*
012	Grand Forks	451	429.1	1.05	
013	Kettle Valley	124	129.6	0.96	
014	Southern Okanagan	1,165	1,201.9	0.97	
015	Penticton	2,310	2,368.2	0.98	
016	Keremeos	260	263.6	0.99	
017	Princeton	246	204.6	1.20	*
018	Golden	201	166.6	1.21	*
019	Revelstoke	281	237.4	1.18	*
020	Salmon Arm	1,417	1,435.7	0.99	
021	Armstrong-Spallumcheen	355	373.6	0.95	
022	Vernon	2,647	2,549.5	1.04	
023	Central Okanagan	6,102	6,785.6	0.90	*
024	Kamloops	3,610	3,191.1	1.13	*
025	100 Mile House	549	468.6	1.17	*
026	North Thompson	127	115.8	1.10	
027	Cariboo-Chilcotin	731	647.7	1.13	*
028	Quesnel	776	672.6	1.15	*
029	Lillooet	174	121.2	1.44	*
030	South Cariboo	312	263.4	1.18	*
031	Merritt	469	346.5	1.35	*
032	Hope	407	337.2	1.20	*
033	Chilliwack	2,913	2,768.7	1.05	*
034	Abbotsford	4,142	4,290.2	0.97	*
035	Langley	3,605	3,666.4	0.98	
037	Delta	2,685	3,041.3	0.88	*
038	Richmond	4,034	4,924.9	0.82	*
040	New Westminster	2,545	2,186.1	1.16	*
041	Burnaby	6,704	6,850.8	0.98	
042	Maple Ridge	2,375	2,147.4	1.11	*
043	Coquitlam	4,391	4,531.3	0.97	*
044	North Vancouver	3,966	4,220.4	0.94	*
045	West Vancouver-Bowen Is.	2,267	2,728.5	0.83	*
046	Sunshine Coast	1,165	1,167.9	1.00	
047	Powell River	860	846.9	1.02	
048	Howe Sound	531	500.5	1.06	
049	Bella Coola Valley	90	69.5	1.30	*
050	Queen Charlotte	146	110.6	1.32	*
051	Snow Country	24	11.4	2.11	*
052	Prince Rupert	478	378.1	1.26	*
053	Upper Skeena	137	102.4	1.34	*
054	Smithers	386	340.9	1.13	*
055	Burns Lake	214	189.1	1.13	
056	Nechako	459	356.4	1.29	*
057	Prince George	2,409	1,963.7	1.23	*
059	Peace River South	863	661.2	1.31	*
060	Peace River North	583	541.5	1.08	
061	Greater Victoria	11,188	10,913.1	1.03	*
062	Sooke	1,439	1,428.3	1.01	
063	Saanich	2,853	3,342.1	0.85	*
064	Gulf Islands	652	782.4	0.83	*
065	Cowichan	1,993	2,022.5	0.99	
066	Lake Cowichan	188	199.6	0.94	
067	Ladysmith	861	756.8	1.14	*
068	Nanaimo	3,711	3,681.6	1.01	
069	Qualicum	2,130	2,276.7	0.94	*
070	Alberni	1,258	1,088.9	1.16	*
071	Courtenay	2,168	2,162.8	1.00	
072	Campbell River	1,200	1,114.9	1.08	*
075	Mission	1,216	1,035.7	1.17	*
076	Agassiz-Harrison	322	254.5	1.27	*
077	Summerland	744	726.8	1.02	
078	Enderby	341	298.5	1.14	*
080	Kitimat	252	227.1	1.11	
081	Fort Nelson	96	68.8	1.40	*
083	Central Coast	71	31.1	2.29	*
084	Vancouver Island West	51	39.9	1.28	
085	Vancouver Island North	312	242.9	1.28	*
087	Stikine	21	28.8	0.73	
088	Terrace	554	451.4	1.23	*
092	Nisga'a	59	31.9	1.82	*
094	Telegraph Creek	25	15.1	1.66	*
161	Vancouver City Centre	3,337	2,964.6	1.13	*
162	Vancouver Downtown E. Side	2,837	1,841.3	1.54	*
163	Vancouver North East	2,944	3,007.9	0.98	
164	Vancouver West Side	4,014	4,675.0	0.86	*
165	Vancouver Midtown	2,538	2,445.4	1.04	
166	Vancouver South	4,094	4,502.8	0.91	*
201	Surrey	6,922	7,109.5	0.97	*
202	South Surrey/White Rock	3,856	4,590.1	0.84	*
	PROVINCIAL TOTAL	**140,535**		**1.00**	

Note: SMR – Standardized mortality ratio. *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed).

(continued on page 119)

(continued from page 118)

Vital Statistics Information Box

ALL CAUSES OF DEATH TO BRITISH COLUMBIA RESIDENTS (INCLUDING ALBERTA), BY LOCAL HEALTH AREA

1998–2002

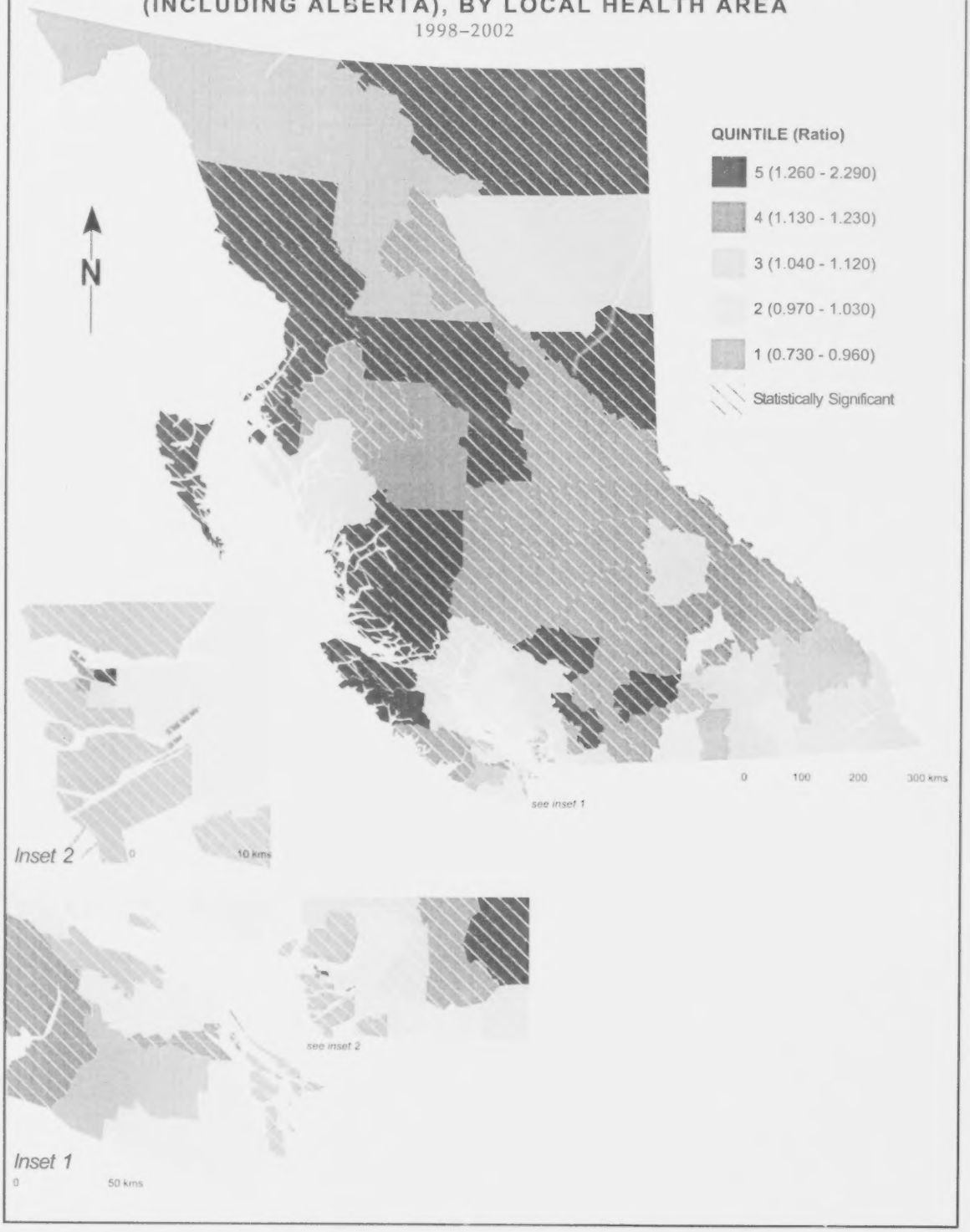


TABLE 46
METHOD OF DISPOSITION OF DECEDENT
BRITISH COLUMBIA, 1986–2003

Year	Burial		Cremation		Other	N.S.	Total
	Number	Percent	Number	Percent			
1986	8,204	39.1	12,686	60.4	98	18	21,006
1987	8,211	38.0	13,279	61.4	104	25	21,619
1988	8,319	37.2	13,926	62.3	96	20	22,361
1989	8,061	35.4	14,616	64.2	81	22	22,780
1990	8,208	35.1	15,088	64.5	91	11	23,398
1991	8,035	33.8	15,675	65.9	75	9	23,794
1992	7,818	32.0	16,512	67.5	97	18	24,445
1993	7,986	31.2	17,211	67.2	151	253	25,601
1994	7,708	29.8	17,886	69.3	175	55	25,824
1995	7,615	29.0	18,358	70.0	184	64	26,221
1996	7,640	27.9	19,545	71.4	192	11	27,388
1997	7,361	27.0	19,648	72.1	205	46	27,260
1998	7,197	25.9	20,375	73.3	224	9	27,807
1999	7,059	25.3	20,608	74.0	195	-	27,862
2000	6,451	23.6	20,673	75.7	186	1	27,311
2001	6,682	23.7	21,326	75.5	222	1	28,231
2002	6,539	22.8	21,978	76.6	187	3	28,707
2003	6,592	22.6	22,335	76.7	181	-	29,108

Note: Percent is based on total deaths in the specified year.
Other includes remains not recovered and donations as per will of deceased.
N.S. – Not stated.
Non-residents are excluded.

HIGHLIGHTS TO TABLE 46

- In 2003, out of every 100 deaths approximately:
  - 77 resulted in cremations (22,335)
  - 23 involved burials (6,592).
- The percentage of cremations has shown an increasing trend since 1986.

Vital Statistics Information Box

METHOD OF DISPOSITION BY DECEDENT'S LOCAL HEALTH AREA OF RESIDENCE

BRITISH COLUMBIA, 2003

Local Health Area		Burial		Cremation		Other	Total
		Number	Percent	Number	Percent		
001	Fernie	20	24.4	62	75.6	-	82
002	Cranbrook	42	23.6	135	75.8	1	178
003	Kimberley	11	14.1	67	85.9	-	78
004	Windermere	7	16.3	36	83.7	-	43
005	Creston	39	32.5	81	67.5	-	120
006	Kootenay Lake	2	5.7	33	94.3	-	35
007	Nelson	62	30.1	140	68.0	4	206
009	Castlegar	51	47.2	57	52.8	-	108
010	Arrow Lakes	5	9.3	49	90.7	-	54
011	Trail	31	14.2	184	84.0	4	219
012	Grand Forks	33	37.5	55	62.5	-	88
013	Kettle Valley	5	22.7	17	77.3	-	22
014	Southern Okanagan	60	23.7	193	76.3	-	253
015	Penticton	88	17.4	417	82.6	-	505
016	Keremeos	6	10.3	52	89.7	-	58
017	Princeton	6	12.0	44	88.0	-	50
018	Golden	7	26.9	19	73.1	-	26
019	Revelstoke	12	23.5	38	74.5	1	51
020	Salmon Arm	55	17.7	256	82.3	-	311
021	Armstrong-Spallumcheen	19	25.0	57	75.0	-	76
022	Vernon	135	24.3	420	75.7	-	555
023	Central Okanagan	300	21.3	1,108	78.5	3	1,411
024	Kamloops	141	17.8	637	80.6	12	790
025	100 Mile House	27	22.3	94	77.7	-	121
026	North Thompson	5	20.0	20	80.0	-	25
027	Cariboo-Chilcotin	55	32.5	114	67.5	-	169
028	Quesnel	46	26.9	125	73.1	-	171
029	Lillooet	14	38.9	22	61.1	-	36
030	South Cariboo	18	24.3	56	75.7	-	74
031	Merritt	14	16.1	73	83.9	-	87
032	Hope	14	17.7	65	82.3	-	79
033	Chilliwack	150	24.5	461	75.5	-	611
034	Abbotsford	289	34.7	544	65.2	1	834
035	Langley	132	17.5	622	82.3	2	756
037	Delta	101	17.7	465	81.6	4	570
038	Richmond	222	26.4	616	73.2	4	842
040	New Westminster	96	21.1	355	78.2	3	454
041	Burnaby	372	26.6	1,001	71.6	25	1,398
042	Maple Ridge	102	17.8	467	81.5	4	573
043	Coquitlam	189	19.3	782	79.8	9	980
044	North Vancouver	121	15.4	663	84.2	3	787
045	West Vancouver-Bowen Is.	66	14.5	388	85.3	1	455
046	Sunshine Coast	30	12.5	210	87.5	-	240
047	Powell River	26	14.4	153	85.0	1	180
048	Howe Sound	24	21.4	86	76.8	2	112
049	Bella Coola Valley	17	70.8	7	29.2	-	24
050	Queen Charlotte	8	53.3	7	46.7	-	15
051	Snow Country	-	-	3	100.0	-	3
052	Prince Rupert	24	35.3	44	64.7	-	68
053	Upper Skeena	16	72.7	6	27.3	-	22
054	Smithers	22	25.3	65	74.7	-	87
055	Burns Lake/Eutsuk	20	44.4	25	55.6	-	45
056	Nechako	40	42.1	54	56.8	1	95
057	Prince George	135	26.8	368	73.2	-	503
059	Peace River South	52	31.1	115	68.9	-	167
060	Peace River North	58	38.2	94	61.8	-	152
061	Greater Victoria	342	16.1	1,771	83.5	8	2,121
062	Sooke	49	15.4	269	84.6	-	318
063	Saanich	84	14.2	508	85.7	1	593
064	Gulf Islands	16	12.1	115	87.1	1	132
065	Cowichan	70	16.2	363	83.8	-	433
066	Lake Cowichan	4	8.5	43	91.5	-	47
067	Ladysmith	25	15.2	140	84.8	-	165
068	Nanaimo	117	14.1	713	85.8	1	831
069	Qualicum	43	9.3	417	90.5	1	461
070	Alberni	64	23.7	206	76.3	-	270
071	Courtenay	51	10.9	415	88.9	1	467
072	Campbell River	32	11.8	240	88.2	-	272
075	Mission	38	14.3	227	85.7	-	265
076	Agassiz-Harrison	21	39.6	32	60.4	-	53
077	Summerland	36	24.2	113	75.8	-	149
078	Enderby	11	18.6	48	81.4	-	59
080	Kitimat	20	40.8	28	57.1	1	49
081	Fort Nelson	6	42.9	8	57.1	-	14
083	Central Coast	13	86.7	2	13.3	-	15
084	Vancouver Island West	2	28.6	5	71.4	-	7
085	Vancouver Island North	18	27.7	47	72.3	-	65
087	Stikine	2	40.0	3	60.0	-	5
088	Terrace	40	33.9	78	66.1	-	118
092	Nisga'a	12	100.0	-	-	-	12
094	Telegraph Creek	4	80.0	1	20.0	-	5
161	Vancouver City Centre	145	22.6	494	76.8	4	643
162	Vancouver Downtown E. Side	252	47.6	269	50.9	8	529
163	Vancouver North East	253	44.1	284	49.5	37	574
164	Vancouver West Side	175	25.5	510	74.2	2	687
165	Vancouver Midtown	198	39.9	294	59.3	4	496
166	Vancouver South	280	36.0	486	62.5	12	778
201	Surrey	362	23.7	1,155	75.6	10	1,527
202	South Surrey/White Rock	157	18.0	712	81.5	5	874
	PROVINCIAL TOTAL	**6,592**	**22.6**	**22,335**	**76.7**	**181**	**29,108**

Marriage-related Statistics

Vital Statistics Information Box

Who Gets Married in British Columbia?

PERCENTAGE OF PERSONS MARRYING BY USUAL RESIDENCE

	Year		
	2001	2002	2003
British Columbia Residents	89.5%	89.4%	87.6%
Other Canadians	5.4%	5.7%	5.8%
American Residents	3.4%	3.4%	5.1%
Others	1.7%	1.5%	1.5%

Summary

Statistics arising from marriages are presented in this section. Unlike the birth and death statistics, which are based on usual residence, the marriage information is based on all marriages that occurred in British Columbia and includes non-residents. The tables in this section contain information about marriages by previous marital status, age of persons getting married, and type of ceremony.

Summary statistics for marriages in 2003 are presented below:

- A total of 21,975 marriages were solemnized in the province in 2003.
- In 2003, 61.6% of couples were marrying for the first time (13,547). In 20.5% of the marriages it was the first marriage for only one of the parties(4,512), and 17.8% involved couples where both partners were previously divorced or widowed (3,916).
- In 2003 there were 487 marriages where at least one party was under 20 years of age. These teen marriages accounted for one out of 50 marriages (2.2%). There were only 60 marriages (0.3%) where both parties were teenagers.
- There were 1,120 marriages in 2003 where at least one party was 60 years of age or older. These marriages accounted for one in 20 marriages (5.1%). There were 441 marriages (2.0%) where both parties were aged 60 or older.
- In 2003 approximately two fifths (41.0%) of the marriages were performed by religious representatives (9,006) and three fifths (59.0%) were civil ceremonies (12,969).
- In B.C. in 2003 there were 21,240 marriages involving parties of the opposite sex and 735 marriages involving parties of the same sex.

TABLE 47
MARRIAGES BY MARITAL STATUS
BRITISH COLUMBIA, 2003

	Single	Widowed	Divorced	N.S.	Total
Single	13,547				13,547
Widowed	194	220			414
Divorced	4,318	600	3,096		8,014
N.S.	-	-	-	-	-
TOTAL	**18,059**	**820**	**3,096**	**-**	**21,975**

Note: N.S. - Not stated.

HIGHLIGHTS TO TABLE 47

- A total of 21,975 marriages were solemnized in the province in 2003.
- In 2003, 61.6% of couples were marrying for the first time (13,547). In 20.5% of the marriages it was the first marriage for only one of the parties(4,512), and 17.8% involved couples where both partners were previously divorced or widowed (3,916).

TABLE 48
MARRIAGES BY AGE
BRITISH COLUMBIA, 2003

Age (in Years)											Total	
	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–59	60+	N.S.	Number	Percent
15-19	60										60	0.3
20-24	320	1,754									2,074	9.4
25-29	81	2,080	2,939								5,100	23.2
30-34	15	520	2,500	1,784							4,819	21.9
35-39	7	131	669	1,494	744						3,045	13.9
40-44	3	40	194	514	853	539					2,143	9.8
45-49	1	10	56	179	369	599	356				1,570	7.1
50-59	-	7	23	83	162	384	664	721			2,044	9.3
60+	-	2	6	16	19	61	128	447	441		1,120	5.1
N.S.	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**487**	**4,544**	**6,387**	**4,070**	**2,147**	**1,583**	**1,148**	**1,168**	**441**	**-**	**21,975**	
Percent	**2.2**	**20.7**	**29.1**	**18.5**	**9.8**	**7.2**	**5.2**	**5.3**	**2.0**	**-**		**100.0**

Note: N.S. – Not stated.
Total percentage may not add up to 100 due to rounding.

HIGHLIGHTS TO TABLE 48

To find the number of marriages by age, use the column for the younger age group and the row for the older age group. For example, there were 56 marriages where one party was aged 25-29 and one was 45-49.

- In 2003 there were 487 marriages where at least one party was under 20 years of age. These teen marriages accounted for one out of 50 marriages (2.2%). There were only 60 marriages (0.3%) where both parties were teenagers.
- There were 12,964 marriages where at least one party was aged 25-39 years old. These marriages accounted for three out of five (59.0%) of all marriages in 2003.
- There were 1,120 marriages in 2003 where at least one party was 60 years of age or older. These marriages accounted for one in 20 marriages (5.1%). There were 441 marriages (2.0%) where both parties were aged 60 or older.

TABLE 49
RELIGIOUS REPRESENTATIVES ON REGISTER AND MARRIAGES PERFORMED BY RELIGIOUS DENOMINATION
BRITISH COLUMBIA, 2003

Religious Denomination	Number of Religious Representatives	Number Who Performed Marriages	Number of Marriages Performed
Anglican	551	245	664
Baptist	736	331	799
Eastern Orthodox	49	15	69
Jewish	27	14	46
Lutheran	257	129	322
Mennonite / Hutterite	444	215	419
Pentecostal	783	298	786
Presbyterian	178	82	170
Catholic	531	263	1,252
Salvation Army	197	45	84
Jehovahs Witness	89	56	129
United Church	585	316	1,320
Other Christian Religions	2,269	886	1,918
Other Non Christian Religions	427	150	999
Unknown / Not Stated	12	3	29
Total	**7,135**	**3,048**	**9,006**

Note: Religious Denomination categories are from Statistics Canada.

TABLE 50
MARRIAGE COMMISSIONERS ON REGISTER BY TYPE AND MARRIAGES PERFORMED
BRITISH COLUMBIA, 2003

Type of Commisioner	Number of Commissioners	Number Who Performed Marriages	Number of Marriages Performed
Private Commissioner*	488	455	12,962
Public Servant	10	4	7
Total	**498**	**459**	**12,969**

Note: Individuals with temporary appointments are counted once for each appointment.
* Includes 117 temporary appointments.

HIGHLIGHTS TO TABLE 49/TABLE 50

- In British Columbia, Religious Representatives or Marriage Commissioners perform marriage ceremonies. There were 3,048 Religious Representatives and 498 Marriage Commissioners who solemnized marriages in the province in 2003.
- In 2003 approximately two fifths (41.0%) of the marriages were performed by religious representatives (9,006) and three fifths (59.0%) were civil ceremonies (12,969).
- Vital Statistics management staff (public servants) have the authority to solemnize marriages as a back up to private marriage commissioners, and perform marriages under special circumstances.

Vital Statistics Information Box

USUAL RESIDENCE OF PERSONS MARRIED IN BRITISH COLUMBIA IN 2003

OPPOSITE SEX MARRIAGES

Area	Province/State or Country	Males	Females
Canada	**Total**	**20,168**	**20,248**
	British Columbia	18,878	19,040
	Alberta	837	798
	Ontario	245	215
	Saskatchewan	61	55
	Manitoba	49	42
	Quebec	30	29
	Northwest Territories	23	19
	Yukon	18	18
	Nova Scotia	12	16
	New Brunswick	12	11
	Newfoundland	3	5
United States	**Total**	**771**	**660**
	Washington	242	209
	California	141	124
	Oregon	54	48
	Texas	41	32
	New York	22	19
	Florida	22	13
	Illinois	17	15
	Alaska	15	11
	Georgia	11	13
	Arizona	12	11
	Colorado	11	12
	Idaho	11	12
	Wisconsin	10	11
	New Jersey	12	7
	Nevada	11	7
	Minnesota	9	6
	Virginia	9	5
	Hawaii	8	5
	Connecticut	5	6
	New Mexico	6	4
	Other States	102	90
Mexico, Cent.& South America	**Total**	**14**	**18**
Europe	**Total**	**199**	**193**
	England	74	66
	Other United Kingdom	56	46
	Germany	30	34
	Netherlands	12	10
	Switzerland	7	9
	Sweden	6	6
	Other	14	22
Asia & Middle East	**Total**	**51**	**83**
	Japan	22	33
	Hong Kong	15	25
	Other	14	25
Africa	**Total**	**1**	**1**
Oceania	**Total**	**36**	**36**
Unknown		**-**	**1**
TOTAL		**21,240**	**21,240**

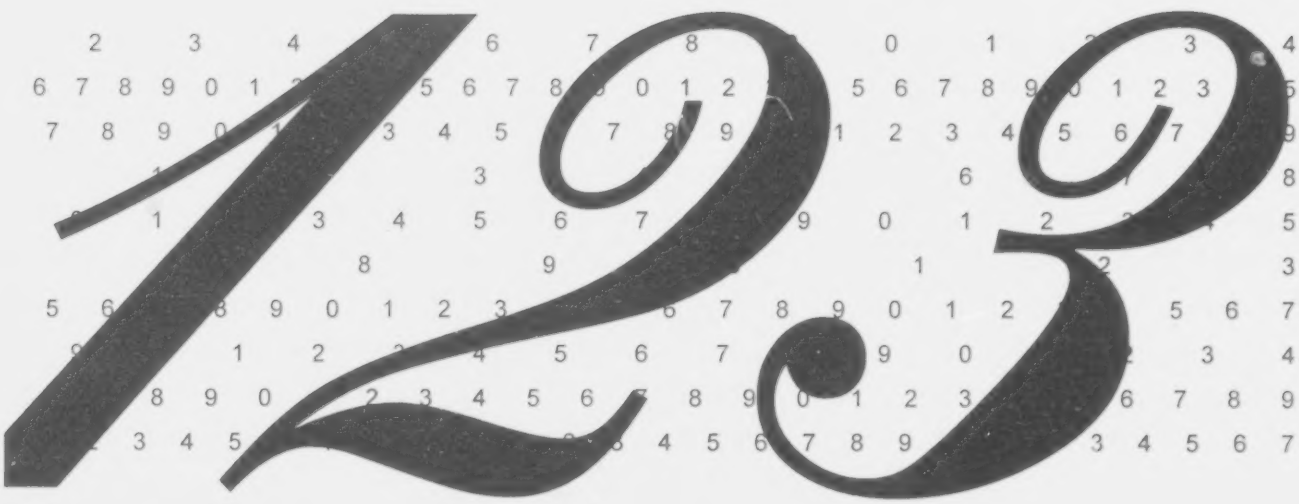
Vital Statistics Information Box

USUAL RESIDENCE OF PERSONS MARRIED IN BRITISH COLUMBIA IN 2003

SAME SEX MARRIAGES

Area	Province/State or Country	Males	Females
Canada	**Total**	**267**	**376**
	British Columbia	242	333
	Alberta	18	37
	Saskatchewan	-	4
	Yukon	4	-
	Manitoba	-	2
	Nova Scotia	2	-
	Quebec	1	-
United States	**Total**	**390**	**412**
	Washington	98	139
	California	124	92
	Oregon	60	70
	Texas	15	22
	Alaska	6	12
	Florida	16	2
	Arizona	8	6
	Hawaii	10	2
	Illinois	8	4
	Minnesota	6	2
	New Mexico	4	4
	Virginia	4	4
	Nevada	7	-
	Connecticut	2	4
	Delaware	2	4
	Georgia	4	2
	Idaho	-	6
	New York	2	4
	Pennsylvania	4	4
	Other States	10	29
Europe	**Total**	**6**	**8**
	Switzerland	2	2
	Ireland	2	2
	England	-	2
	Other United Kingdom	2	-
	France	-	2
Asia & Middle East	**Total**	**3**	**2**
	Japan	2	-
	Hong Kong	-	2
	Other	1	-
Oceania	**Total**	**2**	**2**
Unknown		**2**	**-**
TOTAL		**670**	**800**

Glossary



Terms, Methods, and Computational Examples

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)

(See **HIV Disease**.)

AGE-SPECIFIC FERTILITY RATE (ASFR)

The rate of live births per 1,000 women for the specific age group. This is a more detailed measure than the crude birth rate, as it reflects variations in the birth rate by age groups of the female population.

(See **Statistical Computation** under Fertility Rate for an example.)

AGE STANDARDIZATION

Age standardized is a method of calculation which adjusts a statistical measure for differences in the age/gender structures between populations. With standardized measures, more meaningful comparisons can be made between genders, different time periods, or geographic areas, because the age standardized statistic is calculated as if all populations had the same age/gender population distribution.

(See **Age Standardized Mortality Rate (ASMR)**, **Standardized Mortality Ratio (SMR)**, **Potential Years of Life Lost Standardized Rate (PYLLSR)**, and **Potential Years of Life Lost Index (PYLLI)**; for an example, see **Statistical Computation**.)

AGE STANDARDIZED MORTALITY RATE (ASMR)

A summary of age adjusted death rates by age and gender, which have been standardized to a 'standard' population (1991 Canada Census) for the purpose of rate comparisons between genders, different time periods or different geographic locations. The ASMR is the theoretical number of deaths that would occur per 10,000 population, if the specific population had the same age structure as the standard population.

(See **Age Standardization** and **Standard Population**; for an example, see **Statistical Computation**.)

AIDS

(See **HIV Disease**.)

ALCOHOL-RELATED DEATHS

Alcohol-related deaths are based on the ICD-10 diagnostic categories listed below, for which the resulting deaths are directly attributed to the use or abuse of alcohol. Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

Directly Related to Alcohol **Cause of Death:**	**ICD–10 Code(s)**
Alcoholic intoxication	F10.0–F10.1
Alcoholic psychoses and dependence	F10.2–F10.9
Alcoholic liver disease	K70
Alcoholic neurological disorders	G31.2, G62.1, G72.1
Alcoholic cardiomyopathy	I42.6
Alcoholic gastritis	K29.2
Alcoholic chronic pancreatitis	K86.0
Alcohol poisoning	X45, X65
Other causes	E24.4, O35.4, P04.3, Q86.0, R78.0, T51.0–T51.2, T51.9

Alcohol is considered to be a direct cause of death if one of the above conditions is listed as the underlying cause of death on the medical certification of death. If, however, any of the above conditions are listed on the certificate as antecedent causes giving rise to the underlying cause or other significant conditions contributing to the death, the death is considered to be indirectly related to alcohol. ICD-10 codes for deaths indirectly related to alcohol are listed below:

Indirectly Related to Alcohol (excludes codes for directly related to alcohol)

Cause of Death	ICD–10 Code(s)
Infectious/parasitic diseases	A00–B99
Neoplasms	C00–D48
Endocrine/nutritional/metabolic diseases	E00–E24.3, E24.8–E89
Mental and behavioural disorders	F00–F09, F11–F99
Nervous system diseases	G00–G31.1, G31.8–G62.0, G62.2–G72.0, G72.2–G99
Circulatory system diseases	I00–I42.5, I42.7–I99
Respiratory system diseases	J00–J99
Digestive system diseases	K00–K29.1, K29.3–K69, K71.0–K85, K86.1–K92
Genitourinary system diseases	N00–N39, N99.0–N99.1, N99.5
Unintentional injury/accidents	V01–X44, X46–X59, Y40–Y86, Y88
Suicide	X60–X64, X66–X84, Y87.0
Homicide	X85–Y09, Y87.1
Other causes	

Refer to Glossary in previous annual reports for ICD-9 codes.

ASFR

(See **Age Specific Fertility Rate**.)

ASMR

(See **Age Standardized Mortality Rate**.)

AVERAGE AGE

The average ages of brides, grooms, and mothers of newborns in this annual report are calculated based on information provided on marriage or birth registration forms. The average ages of the population living in data dissemination areas are based on the mid-year population estimates for five-year age groups.

AVERAGE AGE POPULATION

The average age of the population is a grouped average based on the mid-year population estimates for five-year age groups.

BIRTH ORDER

Denotes the number position of the present birth relative to previous live births. That is, whether the live birth being counted is the 1st, 2nd, 3rd, etc. live born infant to a particular mother.

BIRTH RATE

(See **Crude Rates**.)

BIRTH WEIGHT

The first weight of the fetus or newborn after birth. For live births this weight should be measured within the first hour of life before significant postnatal weight loss has occurred. Hospitals in B.C. measure weight in grams; the approximate equivalents in imperial measures are included below for comparisons to other jurisdictions. For statistical and risk assessment purposes, birth weights are grouped as:

- Extremely Low Birth Weight: weight less than 500 grams (< 1 lb 2 oz).
- Very Low Birth Weight: weight less than 1,500 grams (< 3 lb 5 oz).
- Low Birth Weight (LBW): weight less than 2,500 grams (< 5 lb 8 oz).
- "Normal" Birth Weight: weight from 2,500 to 4,499 grams (5 lb 8 oz to 9 lb 15 oz).
- High Birth Weight: weight of 4,500 grams or more (> 9 lb 15 oz).

BIRTHS

(See **Total Births**.)

BREECH

(See **Mode of Delivery**.)

CESAREAN

(See **Mode of Delivery**.)

COMMUNITY

A geographic area defined by a municipal (city, town, village, district municipality, island municipality, or Indian Government district) boundary. In this report, data are provided only for those communities that are incorporated.

CONFIDENCE INTERVAL

(See **Statistical Test**.)

CONGENITAL ANOMALIES

Physical defects that existed or date from birth.

CRUDE RATES

For live births: the crude rate is the number of births divided by the mid-year population and converted to a rate per 1,000 population.

For birth-related statistics (teenage mother, elderly gravida, C-section, low birth weight, and pre-term): the rate is the number of these births divided by the number of live births and converted to a rate per 1,000 live births.

For stillbirths and perinatal deaths: the rate is the number of stillbirths, perinatal deaths divided by the number of total births (live births plus stillbirths) and converted to a rate per 1,000 total births.

For infant deaths: the crude rate is the number of infant deaths divided by the number of live births and converted to a rate per 1,000 live births.

For maternal deaths: the rate is the number of maternal deaths divided by the number of live births, and converted to a rate per 10,000 live births.

For deaths and mortality statistics: the crude rate is the number of deaths divided by the mid-year population and converted to a rate per 1,000 population.

For marriages: the crude rate is the number of marriages divided by the mid-year population and converted to a rate per 1,000 population.

DEATH RATE

(See **Crude Rates**.)

DRUG-INDUCED DEATHS

Deaths due to drug-induced causes. This category of deaths excludes accidents, homicides, and other causes indirectly related to drug use, as well as alcohol-related deaths and smoking-attributable mortality. The causes of death classified as being drug-induced (as shown below) are based on those used by the National Center for Health Statistics.[1]

Cause of Death	**ICD-10 Code(s)**
Psychoactive substance and drug use/abuse	F11-F16, F19
Accidental poisoning by drugs and medicaments	X40-X44
Suicide by drugs and medicaments	X60-X64
Assault by drugs and medicaments	X85
Poisoning by drugs and medicaments, undetermined if accident or intentional	Y10-Y14
Adverse effects of drugs and medicaments	Y40-Y56, Y57.0-Y57.4, Y57.7-Y57.9, Y88.0

EARLY NEONATAL DEATH

Death of a child under seven days of age.

ELDERLY GRAVIDA

Any woman who was 35 years of age or older at the time of delivery of a live born infant.

[1] National Center for Health Statistics (1993). Technical notes. Monthly Vital Statistics Report. 41 (Suppl. 7), 48.

EXPECTED DEATHS

The number of deaths expected for residents of a sub-provincial geographic area, based on the age-specific mortality rates for the province as a whole and the population age structure of the sub-provincial geographic area.

(See **Statistical Computation** for an example.)

EXPECTED LOW BIRTH WEIGHT

The number of live births with low birth weight (less than 2,500 grams) that would be expected to be born to residents of a sub-provincial geographic area, based on the low birth weight rate for the province as a whole, and the number of births in the sub-provincial geographic area.

(See **Statistical Calculation** under Low Birth Weight Live Births for an example.)

EXPECTED POTENTIAL YEARS OF LIFE LOST

The number of potential years of life lost (to age 75, as in this report) expected for residents of a sub-provincial geographic area based on the age-specific mortality rates for the province as a whole and the population age structure of the sub-provincial geographic area.

(See **Statistical Computation** under Potential Years of Life Lost Index for an example.)

FERTILITY RATE

The number of live births occurring in a given time period divided by the number of women of child-bearing age for residents of a geographic area. B.C. rates are per 1,000 women aged 15 to 44. Canadian rates are per 1,000 women aged 15 to 49.

(See **Total Fertility Rate**.)

FORCEPS

(See **Mode of Delivery**.)

GESTATIONAL AGE

Fetal age or duration of pregnancy measured from the first day of the last normal menstrual period. Gestational age is expressed in completed days or completed weeks (e.g., events occurring 280 to 286 days after the onset of the last normal menstrual period are considered to have occurred at 40 weeks of gestation).

Measurements of fetal growth, as they represent continuous variables, are expressed in relation to a specific week of gestational age as follows:

- Extremely premature: gestational age of less than 28 weeks.
- Moderately premature: gestational age of 28 to 36 weeks.
- Pre-term/Premature: gestational age less than 37 weeks.
- Term: gestational age of 37 to 41 weeks.
- Post-term/Postmature: gestational age of 42 weeks or more.

HEALTH AUTHORITY (HA)

A geographic subdivision of the province used by the Ministry of Health for administrative purposes. The appendices 1 and 3 include data by 6 health authorities. Figure 2 presents a map of the province by HAs.

HEALTH SERVICE DELIVERY AREA (HSDA)

A geographic subdivision of the province used by the Health Authorities for administrative purposes. The appendices 1 and 3 include data by 16 Health Service Delivery Areas. Figure 2 presents a map of the province by HSDAs.

HIV DISEASE

In 1987, the World Health Organization added new codes to the ***International Classification of Diseases*** (ICD) to identify Acquired Immunodeficiency Syndrome (AIDS) and Human Immunodeficiency Virus (HIV). In ICD-10, these conditions are coded to B20–B24 and are called HIV disease..

HUMAN IMMUNODEFICIENCY VIRUS (HIV)

The virus that causes HIV disease.

ICD-9 CODES

The World Health Organization's ***International Classification of Diseases, Ninth Revision***. This version of ICD was used by the B.C. Vital Statistics Agency for coding of birth complications and causes of death from 1979 until 1999.

ICD-10 CODES

The World Health Organization's ***International Classification of Diseases and Related Health Problems, Tenth Revision***, implemented by the B.C. Vital Statistics Agency on January 1, 2000. The Preamble to Appendix 2 presents a summary of ICD-10.

INFANT MORTALITY

Death of children under one year of age.

INFANT MORTALITY RATE

The number of deaths of children under one year of age expressed as a rate per 1,000 live births. The infant mortality rate is an internationally accepted indicator of the health status of a population.

LBW

(See **Low Birth Weight**.)

LHA

(See **Local Health Area**.)

LIFE EXPECTANCY

Life expectancy at age 0 represents the mean number of years a birth cohort (persons born in the same year) may expect to live given the present mortality experience of a population. The life expectancy for a population is a summary measure that reflects the mortality rates for all ages combined, weighted in accordance with a life-table population structure. Life expectancy is an internationally accepted indicator of the health status of a population.

LIVE BIRTH

The ***Vital Statistics Act*** defines a live birth as "The complete expulsion or extraction from its mother, irrespective of the duration of the pregnancy, of a product of conception in which, after the expulsion or extraction, there is:

(a) breathing;
(b) beating of the heart;
(c) pulsation of the umbilical cord; or
(d) unmistakable movement of voluntary muscle, whether or not the umbilical cord has been cut or the placenta attached."

LOCAL HEALTH AREA

A geographic subdivision of the province used by the Ministries of Health for data dissemination purposes, which can be aggregated into Health Authorities (HA), or Health Service Delivery Areas (HSDA). In the tables in this report, four pairs of LHAs have been combined for ease of data presentation. Figure 1 presents a map of the province by local health areas.

LOW BIRTH WEIGHT (LBW)

A birth weight of less than 2,500 grams. Low birth weight babies have increased risks of morbidity and premature death.

LOW BIRTH WEIGHT RATE

The number of low birth weight live born babies per 1,000 live births.

MARRIAGE RATE

(See **Crude Rates**.)

MEDICALLY TREATABLE DISEASES, DEATHS DUE TO

Deaths due to medically treatable diseases are based on Charlton's[2] classification. The disease categories (shown below) are ones for which mortality could potentially have been avoided through appropriate medical intervention. The calculation of this measure is based on deaths of a specified age where the underlying cause stated on the medical certificate of death falls into one of these categories.

Cause of Death (Age)	**ICD-10 Code(s)**
Hypertensive disease (5–64)	I10–I15
Cervical cancer (5–64)	C53

[2] Charlton, J.R.H. (1987). Avoidable Deaths and Diseases as Monitors of Health Promotion. In T. Abelin, Z.J. Brzezinski, & V. Carstairs (Eds.), ***Measurement in Health Promotion and Protection*** (pp. 467–479). Copenhagen, Denmark: World Health Organization, Regional Office for Europe.

Pneumonia and unqualified bronchitis (5–49)	J12–J18.1, J18.8–J18.9, J40
Tuberculosis (5–64)	A15–A19, B90
Asthma (5–49)	J45, J46
Chronic rheumatic heart disease (5–44)	I05–I09
Acute respiratory infections and influenza (5–49)	J00–J06, J20–J22, J10–J11
Bacterial infections (5–64)	A00–A05, A20–A49, B95–B96, G00, H66, H70, H95.0–H95.1, I00–I01, I02.0, I02.9, L01–L08, M00, M02.8, M02.9, M46.2, M86, M87.1
Hodgkin's disease (5–34)	C81
Abdominal hernias, cholecystitis and cholelithiasis, appendicitis (5–64)	K40–K46, K80–K81, K35–K37
Deficiency nutritional anemias (5–64)	D50–D53

MODE OF DELIVERY

- **Cesarean:**
  A delivery involving the surgical incision of the abdomen and uterine walls.
- **Forceps:**
  An assisted delivery employing forceps.
- **Spontaneous Breech:**
  An unassisted (spontaneous) delivery in which the buttocks or feet of the fetus appear first.
- **Spontaneous Vertex:**
  An unassisted (spontaneous) delivery in which the head of the fetus appears first.
- **Vacuum:**
  An assisted delivery employing suction or vacuum.

MVA DEATHS

Motor Vehicle Accidental Deaths.

NATURAL POPULATION GROWTH

The component increase in a population due to the number of live births less deaths. This increase may often be expressed as a rate, such as per 1,000 population.

NEONATAL DEATH

Death of a child under 28 days of age.

OBSERVED DEATHS

The actual number of deaths that occurred in the province to residents of a geographic area in a specified time period.

OBSERVED LOW BIRTH WEIGHT LIVE BIRTHS

The actual number of low birth weight live births that occurred in the province to residents of a geographic area in a specified time period.

OBSERVED PYLL

The actual number of potential years of life lost (to age 75) from deaths that occurred in the province to residents of a geographic area in a specified time period.

OUT-OF-WEDLOCK BIRTHS

Births where the mother of the baby is not lawfully married to the father of the baby.

P-VALUE

(See **Statistical Test**.)

PERINATAL

Pertaining to or occurring in the period shortly before, during, and after birth.

POPULATION

Mid-year population estimates used in the preparation of this report were obtained from BC STATS, Ministry of Management Services.

POST NEONATAL DEATH

Death of a child between the ages of 28 days and less than one year.

POST-TERM

(See **Gestational Age**.)

POTENTIAL YEARS OF LIFE LOST (PYLL)

The number of years of life lost when a person dies before a specified age (75 years). In this report, all deaths are assumed to occur at the midpoint of five-year age groups.

(See **Statistical Computation** for an example.)

PRE-TERM

(See **Gestational Age**.)

PYLL INDEX (PYLLI)

The ratio of an area's observed PYLL to its expected PYLL. This is a health status indicator.

(See **Statistical Computation** for an example.)

PYLL STANDARDIZED RATE (PYLLSR)

An age-standardized measure of an area's PYLL, expressed in terms of a rate per 1,000 population, adjusted to a standard population (1991 Canada Census). This is a health status indicator.

(See **Statistical Computation** for an example.)

PYLLI

(See **PYLL Index**.)

PYLLSR

(See **PYLL Standardized Rate**.)

QUINTILE

A ranking is derived by dividing a group (e.g., LHAs within British Columbia) into five subgroups, each with equal numbers of LHAs. These divisions are derived from a ranking of the group members according to the value of a measure, such as the SMR or the PYLLI.

SAM

(See **Smoking-attributable Mortality**.)

SAM(%)

(See **Smoking-attributable Mortality**.)

SIDS

Sudden Infant Death Syndrome.

SMOKING-ATTRIBUTABLE MORTALITY (SAM)

The absence on death certifications of complete and reliable data on smoking as a contributing factor requires that estimation or other techniques be used to approximate the extent of smoking-attributable deaths. Estimation methods, while not precise, may at least provide a general indication of the extent of such deaths. The method used here is based on the concept of attributable risk.

To define attributable risk mathematically, consider d_0 and d_1 respectively to represent the death rates, in a given time period, in two cohorts from a population — those not exposed and those exposed to a given risk factor. The attributable risk of this factor, AR_1, would then be:

$$AR_1 = \frac{d_1 - d_0}{d_1} = \frac{r_1 - 1}{r_1}$$

Where: $r_1 = d_1/d_0$ is the relative risk of the exposed cohort.

The relative risk of the unexposed cohort is $r_0 = 1$; the attributable risk of this cohort is $AR_0 = 0$.

The attributable risk (AR) for the population as a whole (exposed plus unexposed cohorts) is given by:

$$AR = \frac{p_1 (r_1 - 1)}{p_1 (r_1) + (1 - p_1) (r_0)} = \frac{(p_1) (r_1 - 1)}{(p_1) (r_1 - 1) + 1}$$

Where: $p_1 =$ the proportion or fraction of the population exposed to the risk factor; and

$1\text{-}p_1$ = the proportion or fraction of the population not exposed to the risk factor.

This may be extended to account for multiple levels of exposure, as follows:

$$AR = \frac{\sum_{i=1}^{n} p_i (r_i - 1)}{\sum_{i=1}^{n} p_i (r_i - 1) + 1}$$

Where: p_i = the proportion (prevalence) of the population in the ith level of exposure group;
r_i = the relative risk at the ith level of exposure; and
i = the ith risk category.

When applied to smoking-attributable mortality (SAM), the attributable risk is often expressed as a percentage:

SAM (%) = AR x 100

The number of adult (35+ years of age) smoking deaths in British Columbia was estimated for 19 diseases. Smoking-attributable deaths are derived by multiplying the smoking-attributable mortality percentage expressed as a decimal fraction by the number of deaths in each cause of death category listed below.

Cause of Death	ICD-10 Code(s)
Malignant Neoplasms	
Malignant neoplasm of lip, oral cavity, and pharynx	C00–C14
Malignant neoplasm of esophagus	C15
Malignant neoplasm of pancreas	C25
Malignant neoplasm of larynx	C32
Malignant neoplasm of trachea, lung, and bronchus	C33–C34
Malignant neoplasm of cervix, uterus	C53–C55
Malignant neoplasm of urinary bladder	C67
Malignant neoplasm of kidney and other unspecified urinary organs	C64–C66, C68
Circulatory System Diseases	
Hypertension	I10–I13
Ischemic heart disease	I20–I25
Other heart diseases	I01–I09, I27, I30–I52
Cerebrovascular disease	I60–I69
Atherosclerosis	I70
Aortic aneurysm	I71
Other arterial diseases	I26, I28, I72–I78
Respiratory System Diseases	
Pneumonia/influenza	J10–J18.1, J18.8–J18.9
Bronchitis, emphysema	J40–J43
Chronic obstructive pulmonary disease	J44
Other respiratory diseases	A15–A19, J45–J46

Relative-risk data from the American Society's Cancer Prevention Study (CPS-II) 1982–1988[3] were selected for use, as they have been widely used for similar analyses. The data from the CPS–II established the age groups and the classification of smokers (current, former, and never) for which smoking prevalence data were required. The relative risk age categories were for 35+, or 35–64 and 65+. B.C. prevalence rates for smoking were provided in the ***Tobacco Use in B.C. (1997)*** survey commissioned by the B.C. and Yukon Health and Stroke Foundation.[4]

[3] Centers for Disease Control. (1990). ***Smoking and health: A national status report***. (DHSS publication no. (CDC) 87–8396). 2nd Edition. Rockville, MD: U.S. Department of Health and Human Services.

[4] Tobacco Use in B.C., ANGUS REID GROUP survey results, September 1997.

SMR

(See **Standardized Mortality Ratio**.)

STANDARD POPULATION

A reference population of known age distribution used in the calculation of standardized indicators to adjust for variations in population age structures in different geographic areas or time periods. For SMR and PYLLI calculations the standard population is the British Columbia population for the year(s) concerned. The 1991 Canadian Census is used as the standard population in the calculation of ASMR and PYLLSR.

STANDARDIZED MORTALITY RATIO (SMR)

The ratio of the number of deaths occurring to residents of a geographic area (e.g., LHA) to the expected number of deaths in that area based on provincial age-specific mortality rates. The SMR is a good measure for comparing mortality data that are based on a small number of cases or for readily comparing mortality data by geographical area. SMR is an internationally recognized health status indicator.

(See **Age Standardization** and **Standard Population**; for an example see **Statistical Computation**.)

STATISTICAL COMPUTATION

The following provides the reader with computational examples of how various measures are calculated. In the examples, LHAs have been employed as the geographic unit of analysis. All data shown in the examples are hypothetical.

- **Age Standardized Mortality Rate (ASMR):**

Age Group (i)	Standard Population (π_i)	Estimated Population (p_i)	LHA Death Rate/10,000 (m_i)	Observed Deaths (d_i)
<1	403,061	1,339	22.4	3
1–4	1,550,285	5,483	1.8	1
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
80–84	382,303	1,198	701.2	84
85 +	287,877	908	1596.9	145
TOTAL	28,120,065	81,016		561

For the Local Health Area:

$$ASMR = \frac{\sum m_i \times \pi_i}{\prod} = \frac{22.4 \times 403{,}061 + \ldots + 1{,}596.9 \times 287{,}877}{28{,}120{,}065} = 46.2$$

Where: p_i = area population in age group i;
π_i = standard population in age group i;
$\prod = \Sigma\pi_i$ = total standard population;
d_i = deaths in LHA population in age group i; and
$m_i = d_i/p_i \times 10{,}000$ = mortality rate per 10,000 LHA population in age group i.

e.g., $m_i = \frac{3 \times 10{,}000}{1{,}339} = 22.4$, for age group 1.

- **Fertility Rate:**

Age Group (i)	LHA Live Births (b_i)	LHA Female Population (w_i)	LHA Age Specific Fertility Rate ($ASFR_i$)
15–19	19	598	31.8
20–24	46	440	104.5
25–29	74	498	148.6
30–34	51	745	68.5
35–39	12	690	17.4
40–44	2	581	3.4
TOTAL	204	3,552	374.2

For the Local Health Area:

1) the age specific fertility rate (ASFR) for age group 15–19 years is:

$$ASFR_i = \frac{b_i}{w_i} \times 1{,}000 = \frac{19}{598} \times 1{,}000 = 31.8$$

Where: b_i = number of live births for age group i; and
w_i = number of female population for age group i.

2) the total fertility rate (TFR) is:

$$TFR = a \times \Sigma ASFR_i = 5 \times (31.8 + \ldots + 3.4) = 1{,}871$$

Where: $ASFR_i$ = age specific fertility rate for age group i; and
a = number of years in each age group i.

- **Low Birth Weight (LBW) Live Births:**

Year (i)	LHA Low Birth Weight Live Births Observed (O_i)	LHA Low Birth Weight Live Births Expected (E_i)	LHA Total Live Births (L_i)	British Columbia Low Birth Weight Live Births Observed (b_i)	British Columbia Total Live Births (B_i)
1995	92	82.9	1,701	2,096	42,989
1996	69	74.6	1,588	1,965	41,846
1997	102	80.2	1,582	2,113	41,655
1998	85	74.7	1,495	2,145	42,913
1999	91	78.1	1,501	2,267	43,586
TOTAL	439	390.6	7,867	10,586	212,989

For the Local Health Area:

1) the expected low birth weight live births for year i = 1995 were:

$$E_i = \frac{b_i}{B_i} \times L_i = \frac{2{,}096}{42{,}989} \times 1{,}701 = 82.9$$

Where: b_i = number of LBW live births for the province in year i;
B_i = number of live births for the province in year i; and
L_i = number of live births for the LHA.

2) the ratio of observed over the expected LBW live births for the five-year period was:

$$\text{Ratio} = \frac{\Sigma O_i}{\Sigma E_i} = \frac{92 + \ldots + 91}{82.9 + \ldots + 78.1} = \frac{439}{390.6} = 1.1$$

Where: O_i = observed LBW live births for year i; and
E_i = expected LBW live births for year i.

3) Chi-Square (χ^2):

$$\chi^2 = \frac{(O-E)^2}{E} = \frac{(439-390.6)^2}{390.6} = 6.0$$

Where: $O = \Sigma O_i$ = total number of observed LBW live births; and
$E = \Sigma E_i$ = total number of expected LBW live births.

- **Potential Years of Life Lost (PYLL) and Standardized Rate (PYLLSR):**

Age Group (i)	Age Factor ($75-Y_i$)	Standard Population (π_i)	LHA Estimated Population (p_i)	LHA Death Rate/1,000 (m_i)	LHA Observed Deaths (d_i)	LHA Observed PYLL ($d_i(75-Y_i)$)
<1	74.5	403,061	1,339	2.2	3	223.5
1–4	72.0	1,550,285	5,483	0.2	1	72.0
5–9	67.5	1,953,045	6,553	0.2	1	67.5
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
65–69	7.5	1,084,588	3,538	18.7	66	495.0
70–74	2.5	834,024	2,779	28.8	80	200.0
TOTAL 0-74		28,120,065	79,140		239	3,183.0

For the Local Health Area:

$$PYLL = \Sigma d_i \times (75 - Y_i)$$

Where: d_i = number of deaths in age group i;
Y_i = age at midpoint of age group i; and
Σ = summation.

$$PYLLSR = \frac{\Sigma m_i \times \pi_i \times (75 - Y_i)}{\Pi} = \frac{2.2 \times 403{,}061 \times 74.5 + \ldots + 28.8 \times 834{,}024 \times 2.5}{28{,}120{,}065} = 37.0$$

Where: p_i = LHA population in age group i;
π_i = standard population in age group i;
$\Pi = \Sigma\pi_i$ = total standard population;
d_i = deaths in LHA population in age group i;
Y_i = age at midpoint of age group i; and
$m_i = (d_i/p_i) \times 1{,}000$ = mortality rate per 1,000 LHA population in age group i.

- **Potential Years of Life Lost Index (PYLLI):**

Note that this method is both age and gender standardized.

Age Group (i)	Gender (j)	Age Factor ($75-Y_{ij}$)	LHA Estimated Population (p_{ij})	LHA Death Rate/1,000 (m_{ij})	LHA Observed Deaths (d_{ij})	LHA Observed PYLL ($d_{ij}(75-Y_{ij})$)	LHA Expected PYLL ($e_{ij}(75-Y_{ij})$)	British Columbia Estimated Population (P_{ij})	British Columbia Death Rate/1,000 ($D_{ij}/P_{ij}\times1{,}000$)	British Columbia Observed Deaths (D_{ij})	British Columbia Observed PYLL ($D_{ij}(75-Y_{ij})$)
<1	M	74.5	1,339	2.2	3	223.5	766.3	42,700	7.7	328	24,436.0
<1	F	74.5	1,301	1.8	2	177.3	620.8	40,600	6.4	260	19,380.3
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
70–74	M	2.5	1,587	71.3	113	282.8	233.2	65,500	58.8	3,969	9,921.4
70–74	F	2.5	2,779	28.8	80	200.0	182.3	107,000	26.2	2,807	7,017.5
TOTAL			79,140		239	3,183.0	5,100.0	2,966,500		11,068	200,265.5

For the Local Health Area:

$$PYLLI = \frac{O}{E} = \frac{\sum d_{ij} \times (75 - Y_{ij})}{\sum e_{ij} \times (75 - Y_{ij})} = \frac{223.5 + 177.3 + \ldots + 282.8 + 200.0}{766.3 + 620.8 + \ldots + 233.2 + 182.3} = \frac{3,183}{5,100} = 0.6$$

Where: O = observed PYLL;
E = expected PYLL;
d_{ij} = observed deaths in age group i and gender j;
e_{ij} = expected deaths in age group i and gender j;
Y_{ij} = age at midpoint of age group i and gender j;
p_{ij} = LHA population for age group i and gender j;
P_{ij} = provincial population for age group i and gender j;
D_{ij} = provincial deaths for age group i and gender j.

1) Observed PYLL (O)

The number of potential years of life lost (PYLL) based on the number and age at death of deaths that occurred in the LHA. For example, for age group under one year of age and gender j, the observed PYLL are:
Observed PYLL = deaths × age factor = $d_{ij}(75\text{-}Y_{ij}) = 3 \times 74.5 = 223.5$

2) Expected PYLL (E)

The number of potential years of life lost (PYLL) expected for residents of the LHA based on the PYLL from the expected deaths in the age group. For example, for age group under one year of age and gender j, the expected PYLL are:

$$\text{Expected PYLL} = \text{expected deaths} \times \text{age factor} = e_{ij}(75 - Y_{ij}) = \frac{D_{ij}}{P_{ij}} \times p_{ij} \times (75 - Y_{ij})$$

$$= \frac{328}{42,700} \times 1,339 \times 74.5 = 766.3$$

- **Standardized Mortality Ratio (SMR):**

Age Group (i)	Gender (j)	LHA Estimated Population (p_{ij})	LHA Death Rate/1,000 (m_{ij})	LHA Observed Deaths (d_{ij})	LHA Expected Deaths (e_{ij})	British Columbia Estimated Population (P_{ij})	British Columbia Death Rate/1,000 (M_{ij})	British Columbia Observed Deaths (D_{ij})
<1	M	1,339	2.2	3	10.3	42,700	7.7	328
<1	F	1,301	1.8	2	8.3	40,600	6.4	260
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
85 +	M	1,198	70.1	84	87.2	48,100	72.8	3,502
85 +	F	908	159.7	145	138.8	34,500	152.8	5,272
TOTAL		81,016		561	595.1	3,131,700		23,389

Note that this method is both age and gender standardized.
For the Local Health Area:

$$SMR = \frac{\sum d_{ij}}{\sum e_{ij}} = \frac{3 + 2 + \ldots + 110 + 145}{10.3 + 8.3 + \ldots + 92.6 + 138.8} = \frac{561}{595.1} = 0.9$$

Where: d_{ij} = observed deaths in age group i and gender j; and
e_{ij} = expected deaths in age group i and gender j.

1) Observed Deaths (d)

The actual number of deaths that occurred in the LHA. For example, for age group under one year of age and gender j, the observed deaths are three.

2) **Expected Deaths (e)**

The number of deaths expected for residents of the LHA based on the age specific mortality rates for the province as a whole and the population age structure of the LHA. For age group under one year and gender j, the expected deaths are:

$$e_{ij} = \frac{D_{ij}}{P_{ij}} \times p_{ij} = \frac{328}{42{,}700} \times 1{,}339 = 10.3$$

Where: p_{ij} = LHA population for age group i and gender j;
D_{ij} = provincial death for age group i and gender j; and
P_{ij} = provincial population for age group i and gender j.

STATISTICAL TEST

- **P-VALUE**

The p-value is the probability of rejecting the null hypothesis when a specified test procedure is used on a given data set. This probability is the smallest level of significance at which the null hypothesis would be rejected. Once the p-value has been determined, the conclusion at any particular level α results from comparing the p-value to α (e.g., 0.05):

(a) p-value $\leq \alpha \Rightarrow$ reject null hypothesis at level α,

(b) p-value $> \alpha \Rightarrow$ do not reject the null hypothesis at level α,

and we call the data statistically significant when the null hypothesis is rejected and not significant otherwise.

- For rates, such as ASMRs, the test employed to determine statistical significance is a confidence interval. The 95% confidence interval for the difference (D) between a LHA and a provincial rate is defined by the upper and lower limits of the interval as follows:

$$\textit{Lower Limit} = D - 1.96 \sqrt{\frac{R_l^2}{O_l} + \frac{R_p^2}{O_p}}$$

$$\textit{Upper Limit} = D + 1.96 \sqrt{\frac{R_l^2}{O_l} + \frac{R_p^2}{O_p}}$$

Where: R_l = Rate for LHA *l*;
R_p = Rate for the province;
O_l = Observed number for LHA *l*; and
O_p = Observed number for the province.

If the Lower Limit > 0, then R_l is statistically significantly higher than R_p;
if the Upper Limit < 0, then R_l is statistically significantly lower than R_p; otherwise,
there is no statistically significant difference.

- For ratios, such as SMRs, a Chi-square ($\chi 2$) test is applied to determine whether the observed number of cases is statistically significantly different from the expected number. For LHA *l*:

$$\chi_l^2 = \frac{(O_l - E_l)^2}{E_l}$$

(with one degree of freedom).

Where: O_I = Observed number for LHA *I*; and
E_I = Expected number for LHA *I*.

If $\chi_I^2 > 3.84$, the ratio is statistically significant at 5% significance level.

- For SMR values, the Chi-square statistic that is applied is:

$$\chi_I^2 = 9\hat{O}_I\left(1 - \frac{1}{9\hat{O}_I} - \left(\frac{E_I}{\hat{O}_I}\right)^{1/3}\right)^2$$

Where: $\hat{O}_I = O_I$ *if* $O_I > E_I$; *otherwise*
$\hat{O}_I = O_I + 1$.

STILLBIRTH

The ***Vital Statistics Act*** defines a stillbirth as "The complete expulsion or extraction from its mother after at least 20 weeks of pregnancy, or after attaining a weight of at least 500 grams, of a product of conception in which, after the expulsion or extraction, there is no breathing, beating of the heart, pulsation of the umbilical cord, or unmistakable movement of voluntary muscle."

The definition of a stillbirth has changed over the years. From July 1, 1962 until January 1, 1986, the definition of a stillbirth did not include the phrase "or after attaining a weight of at least 500 grams." From 1950 until July 1, 1962, the definition of a stillbirth was: the birth of a viable fetus after at least 28 weeks pregnancy in which pulmonary respiration does not occur, whether death occurs before, during, or after birth.

STILLBIRTH RATE

(See **Crude Rates.**)

TEENAGE MOTHERS

Mothers less than 20 years of age.

TERM

(See **Gestational Age**.)

TFR

(See **Total Fertility Rate**.)

TOTAL BIRTHS

The number of live births plus stillbirths.

TOTAL FERTILITY RATE (TFR)

The rate is calculated by summing all of the age-specific birth rates multiplied by the number of years by which the age-specific birth rates are grouped (this assumes the same number of women in each age group). "The total fertility rate indicates the number of births that a group of 1,000 women would have if they experienced, during their childbearing years (i.e., age 15 to 44 years), the age-specific birth rates observed in a given calendar year. It is a hypothetical measure that shows the implications of current levels of fertility by age for completed family size." (National Center for Health Statistics. Supplements to the monthly vital statistics report: advance reports, 1987. National Center for Health Statistics. Vital Health Stat 24 (4) p. 5. 1990.)

(See **Statistical Computation** for an example.)

TOTAL PYLL

The total number of potential years of life lost prior to an established cut-off point of 75 years.

VERY LOW BIRTH WEIGHT

A birth weight of less than 1,500 grams.

UCOD

(See **Underlying Cause of Death.**)

UNDERLYING CAUSE OF DEATH (UCOD)
The World Health Organization defines the underlying cause of death as "(a) the disease of injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury."

VACUUM
(See **Mode of Delivery**.)

VERTEX
(See **Mode of Delivery**.)

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Appendix 1

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA, AND COMMUNITY, BRITISH COLUMBIA, 2003

Preamble to Appendix 1

British Columbia is a large, geographically diverse province. The majority of the population is concentrated in the southwestern corner of the province, with the majority of the remaining population concentrated in the major cities of Kelowna, Kamloops, Prince George, and Nanaimo, or along the border with the United States. Large areas of the province are sparsely populated. Health care services tend to be concentrated in the areas of greater population, especially in the metropolitan areas of Vancouver and Victoria.

Appendix 1 provides summary details of the 2003 vital statistics for Health Authorities (HA), Health Service Delivery Areas (HSDA), Local Health Areas (LHA), and incorporated communities. The LHAs are the lowest level of geographic data aggregation; they are the building blocks upon which HSDA and HA information is aggregated. Information presented in this appendix includes the number of live births, stillbirths, and deaths by gender, and the number of marriages. Live births and stillbirths are assigned to the geographic areas based on usual residence of the mother. Deaths are assigned to geographic areas based on the usual residence of the decedent. Marriages are assigned to geographic areas based on the place where the marriage ceremony was performed, and include non-residents.

Population estimates, and life expectancy at birth (1999–2003) were obtained from BC STATS, Ministry of Management Services.

APPENDIX 1

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type[1]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
HSDA 11 EAST KOOTENAY									
LHA 001 Fernie		M	8,099	55	44		-	36.5	77.7
		F	7,388	60	38		1	36.9	83.8
		T	15,487	115	82	98	1	36.7	80.5
Elkford	DM	M		11	4		-		
		F		5	-		-		
		T	2,671	16	4	6	-		
Fernie	C	M		26	23		-		
		F		33	24		-		
		T	4,841	59	47	56	-		
Sparwood	DM	M		14	10		-		
		F		14	7		1		
		T	3,954	28	17	20	1		
LHA 002 Cranbrook		M	12,771	114	79		1	37.1	78.0
		F	12,938	116	99		3	38.4	82.1
		T	25,709	230	178	128	4	37.8	80.1
Cranbrook	C	M		97	64		1		
		F		104	85		3		
		T	19,327	201	149	75	4		
LHA 003 Kimberley		M	4,311	27	43		-	41.6	78.0
		F	4,348	25	35		-	43.1	81.8
		T	8,659	52	78	43	-	42.3	79.9
Kimberley	C	M		21	34	-	-		
		F		18	33	-	-		
		T	6,710	39	67	36	-		
LHA 004 Windermere		M	4,816	30	27		-	38.0	77.8
		F	4,663	33	16		-	38.6	86.0
		T	9,479	63	43	102	-	38.3	81.5
Invermere	DM	M		11	12		-		
		F		14	10		-		
		T	3,084	25	22	30	-		
Radium Hot Springs	VL	M		5	2		-		
		F		6	-		-		
		T	691	11	2	9	-		
LHA 005 Creston		M	6,318	71	62		-	41.1	78.2
		F	6,398	57	58		-	42.9	82.9
		T	12,716	128	120	43	-	42.0	80.5
Creston	T	M		15	49		-		
		F		21	43		-		
		T	4,957	36	92	21	-		
LHA 018 Golden		M	3,950	27	16		-	35.6	77.9
		F	3,623	30	10		-	35.6	82.6
		T	7,573	57	26	104	-	35.6	79.9
Golden	T	M		26	14		-		
		F		30	10		-		
		T	4,281	56	24	57	-		
TOTAL		**M**	**40,265**	**324**	**271**		**1**	**38.1**	**78.1**
		F	**39,358**	**321**	**256**		**4**	**39.2**	**82.9**
		T	**79,623**	**645**	**527**	**518**	**5**	**38.6**	**80.4**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
HSDA 12 KOOTENAY BOUNDARY									
LHA 006 Kootenay Lake		M	1,813	14	21		-	40.3	75.2
		F	1,741	16	14		1	42.0	88.6
		T	3,554	30	35	23	1	41.2	80.4
Kaslo	VL	M		9	15		-		
		F		8	11		1		
		T	1,053	17	26	13	1		
LHA 007 Nelson		M	12,285	120	111		1	38.5	77.8
		F	12,339	98	95		1	39.8	82.2
		T	24,624	218	206	141	2	39.2	80.0
Nelson	C	M		54	53		-		
		F		40	56		-		
		T	9,630	94	109	88	-		
Salmo	VL	M		6	10		-		
		F		6	6		1		
		T	1,142	12	16	7	1		
Slocan	VL	M		3	1		-		
		F		2	1		-		
		T	374	5	2	1	-		
LHA 009 Castlegar		M	6,753	46	64		1	38.7	77.2
		F	6,660	39	44		-	39.6	82.1
		T	13,413	85	108	47	1	39.1	79.6
Castlegar	C	M		24	41		1		
		F		22	26		-		
		T	7,168	46	67	31	1		
LHA 010 Arrow Lakes		M	2,625	14	30		-	40.2	76.5
		F	2,521	21	24		-	42.0	81.4
		T	5,146	35	54	24	-	41.1	78.9
Nakusp	VL	M		8	17		-		
		F		11	11		-		
		T	1,765	19	28	15	-		
New Denver	VL	M		2	2		-		
		F		3	12		-		
		T	553	5	14	7	-		
Silverton	VL	M		1	1		-		
		F		1	-		-		
		T	232	2	1	-	-		
LHA 011 Trail		M	10,094	68	108		-	39.6	75.9
		F	10,528	64	111		-	41.8	82.2
		T	20,622	132	219	78	-	40.7	79.0
Fruitvale	VL	M		11	8		-		
		F		11	19		-		
		T	2,084	22	27	13	-		
Montrose	VL	M		3	4		-		
		F		6	2		-		
		T	1,098	9	6	3	-		
Rossland	C	M		24	16		-		
		F		16	12		-		
		T	3,714	40	28	14	-		
Trail	C	M		20	68		-		
		F		24	69		-		
		T	8,167	44	137	41	-		
Warfield	VL	M		7	7		-		
		F		6	7		-		
		T	1,828	13	14	4	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
LHA 012 Grand Forks		M	4,571	28	49		-	41.7	78.2
		F	4,455	33	39		-	43.9	81.7
		T	9,026	61	88	47	-	42.8	79.9
Grand Forks	C	M		23	41		-		
		F		27	35		-		
		T	4,113	50	76	38	-		
LHA 013 Kettle Valley		M	1,894	12	11		-	41.3	79.2
		F	1,685	13	11		-	41.7	87.3
		T	3,579	25	22	8	-	41.5	82.6
Greenwood	C	M		3	1		-		
		F		3	3		-		
		T	666	6	4	4	-		
Midway	VL	M		3	7		-		
		F		5	2		-		
		T	644	8	9	-	-		
TOTAL		**M**	**40,035**	**302**	**394**		**2**	**39.5**	**77.1**
		F	**39,929**	**284**	**338**		**2**	**41.1**	**82.3**
		T	**79,964**	**586**	**732**	**368**	**4**	**40.3**	**79.6**
HSDA 13 OKANAGAN									
LHA 014 Southern Okanagan		M	9,018	51	137		-	46.4	78.2
		F	9,419	61	116		-	47.2	82.1
		T	18,437	112	253	98	-	46.8	80.1
Oliver	T	M		32	64		-		
		F		23	77		1		
		T	4,367	55	141	31	1		
Osoyoos	T	M		22	42		-		
		F		12	45		-		
		T	4,565	34	87	37	-		
LHA 015 Penticton		M	19,305	137	272		2	41.9	77.5
		F	21,027	128	233		1	44.3	83.2
		T	40,332	265	505	247	3	43.1	80.4
Penticton	C	M		107	231		1		
		F		114	211		-		
		T	32,519	221	442	200	1		
LHA 016 Keremeos		M	2,468	20	32		-	46.1	76.8
		F	2,400	26	26		-	45.4	81.3
		T	4,868	46	58	15	-	45.8	78.7
Keremeos	VL	M		12	25		-		
		F		15	18		-		
		T	1,321	27	43	7	-		
LHA 017 Princeton		M	2,409	10	25		-	44.6	76.7
		F	2,340	7	25		-	43.8	79.0
		T	4,749	17	50	29	-	44.2	77.2
Princeton	T	M		10	23		-		
		F		6	24		-		
		T	2,716	16	47	25	-		
LHA 021 Armstrong-Spallumcheen		M	4,849	31	36		-	38.8	76.9
		F	5,132	48	40		1	39.8	84.2
		T	9,981	79	76	28	1	39.3	80.5
Armstrong	C	M		15	28				
		F		37	28		1		
		T	4,642	52	56	25	1		
Spallumcheen	DM	M		17	13		-		
		F		13	13		-		
		T	5,339	30	26	13	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
LHA 022 Vernon		M	29,197	246	290		-	39.2	77.2
		F	30,653	253	265		2	41.3	82.2
		T	59,850	499	555	326	2	40.3	79.7
Coldstream	DM	M		35	29		-		
		F		38	23		2		
		T	9,685	73	52	57	2		
Lumby	VL	M		30	16		-		
		F		21	9		-		
		T	1,661	51	25	22	-		
Vernon	C	M		140	205		-		
		F		158	204		-		
		T	35,073	298	409	185	-		
LHA 023 Central Okanagan		M	77,309	652	748		8	39.2	79.1
		F	81,253	655	663		3	41.2	83.6
		T	158,562	1,307	1,411	912	12	40.2	81.4
Kelowna	C	M		417	536		4		
		F		439	487		1		
		T	103,421	856	1,023	675	5		
Lake Country	DM	M		44	37		2		
		F		46	33		-		
		T	9,785	90	70	79	2		
Peachland	DM	M		18	22		-		
		F		12	17		1		
		T	4,998	30	39	27	1		
LHA 077 Summerland		M	5,602	40	76		-	43.0	78.6
		F	6,023	39	73		-	45.6	82.7
		T	11,625	79	149	83	-	44.3	80.5
Summerland	DM	M		40	76		-		
		F		39	73		-		
		T	11,179	79	149	83	-		
LHA 078 Enderby		M	3,609	24	38		1	39.3	74.7
		F	3,676	26	21		-	40.3	82.6
		T	7,285	50	59	31	1	39.8	78.4
Enderby	C	M		17	33		-		
		F		24	17		-		
		T	2,960	41	50	24	-		
TOTAL		**M**	**153,766**	**1,211**	**1,654**		**11**	**40.3**	**78.2**
		F	**161,923**	**1,243**	**1,462**		**7**	**42.2**	**83.0**
		T	**315,689**	**2,454**	**3,116**	**1,769**	**19**	**41.3**	**80.6**
HSDA 14 THOMPSON CARIBOO									
LHA 019 Revelstoke		M	4,275	30	31		-	37.0	75.7
		F	4,096	41	20		-	37.7	81.8
		T	8,371	71	51	62	-	37.3	78.6
Revelstoke	C	M		30	31		-		
		F		41	20		-		
		T	7,782	71	51	62	-		
LHA 020 Salmon Arm		M	15,801	125	168		1	40.7	78.0
		F	16,184	110	143		1	42.6	82.6
		T	31,985	235	311	177	2	41.7	80.2
Salmon Arm	DM	M		69	97		1		
		F		67	93		1		
		T	15,980	136	190	98	2		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
Sicamous	DM	M		13	17		-		
		F		14	19		-		
		T	2,864	27	36	27	-		
LHA 024 Kamloops		M	50,792	476	424		5	37.8	75.8
		F	51,564	410	366		2	39.1	81.4
		T	102,356	886	790	551	7	38.4	78.5
Chase	VL	M		10	32		-		
		F		23	21		-		
		T	2,519	33	53	20	-		
Kamloops	C	M		399	320		5		
		F		335	309		1		
		T	80,416	734	629	421	6		
Logan Lake	DM	M		8	14		-		
		F		3	4		-		
		T	2,287	11	18	7	-		
LHA 025 100 Mile House		M	7,332	52	78		-	40.3	77.4
		F	7,026	48	43		1	39.2	79.8
		T	14,358	100	121	86	1	39.7	78.5
100 Mile House	DM	M		25	42		-		
		F		25	30		1		
		T	1,789	50	72	48	1		
LHA 026 North Thompson		M	2,632	20	18		1	36.8	77.5
		F	2,398	17	7		-	35.6	80.8
		T	5,030	37	25	29	1	36.2	79.0
LHA 027 Cariboo-Chilcotin		M	14,382	162	104		3	35.0	75.9
		F	13,814	137	65		1	35.5	81.2
		T	28,196	299	169	107	4	35.3	78.5
Williams Lake	C	M		79	57		2		
		F		62	46		1		
		T	11,422	141	103	50	3		
LHA 029 Lillooet		M	2,368	31	18		-	35.7	74.0
		F	2,268	28	18		-	35.9	81.1
		T	4,636	59	36	28	-	35.8	77.3
Lillooet	DM	M		26	16		-		
		F		23	17		-		
		T	2,718	49	33	21	-		
LHA 030 South Cariboo		M	3,980	29	43		-	39.5	74.3
		F	3,696	23	31		-	39.1	81.6
		T	7,676	52	74	31	-	39.3	77.5
Ashcroft	VL	M		5	10		-		
		F		5	12		-		
		T	1,824	10	22	8	-		
Cache Creek	VL	M		7	18		-		
		F		4	9		-		
		T	1,140	11	27	13	-		
Clinton	VL	M		5	8		-		
		F		4	2		-		
		T	655	9	10	6	-		
Lytton	VL	M		10	6		-		
		F		9	6		-		
		T	343	19	12	3	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

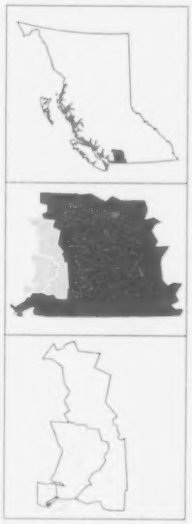
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
LHA 031 Merritt		M	5,670	57	38		-	36.5	73.6
		F	5,593	50	49		-	36.5	77.4
		T	11,263	107	87	63	-	36.5	75.3
Merritt	C	M		48	33		-		
		F		36	45		-		
		T	7,318	84	78	44	-		
TOTAL		**M**	**107,232**	**982**	**922**		**10**	**37.9**	**76.0**
		F	**106,639**	**864**	**742**		**5**	**38.8**	**81.3**
		T	**213,871**	**1,846**	**1,664**	**1,134**	**15**	**38.4**	**78.6**
HA 01 INTERIOR TOTAL		**M**	**341,298**	**2,819**	**3,241**		**24**	**39.2**	**77.4**
		F	**347,849**	**2,712**	**2,798**		**18**	**40.7**	**82.4**
		T	**689,147**	**5,531**	**6,039**	**3,789**	**43**	**39.9**	**79.9**
HSDA 21 FRASER EAST									
LHA 032 Hope		M	4,410	40	49		1	39.8	75.1
		F	4,127	41	30		1	40.4	80.2
		T	8,537	81	79	37	2	40.1	77.5
Hope	DM	M		36	40		1		
		F		39	27		1		
		T	6,431	75	67	33	2		
LHA 033 Chilliwack		M	36,323	432	326		2	36.8	76.9
		F	37,532	430	285		3	38.8	81.9
		T	73,855	862	611	406	5	37.8	79.4
Chilliwack	C	M		395	290		2		
		F		393	261		3		
		T	66,618	788	551	326	5		
LHA 034 Abbotsford		M	63,757	922	424		6	35.0	78.2
		F	64,364	774	410		4	37.1	82.8
		T	128,121	1,696	834	588	11	36.0	80.5
Abbotsford	C	M		922	422		6		
		F		773	409		4		
		T	127,451	1,695	831	586	10		
LHA 075 Mission		M	19,227	228	143		-	35.5	76.4
		F	18,380	210	122		-	36.2	80.6
		T	37,607	438	265	197	-	35.8	78.4
Mission	DM	M		206	120		-		
		F		188	103		-		
		T	32,894	394	223	170	-		
LHA 076 Agassiz-Harrison		M	4,509	43	29		-	38.1	75.4
		F	3,750	42	24		-	38.7	81.3
		T	8,259	85	53	116	-	38.4	77.8
Harrison Hot Springs	VL	M		7	4		-		
		F		9	4		-		
		T	1,553	16	8	63	-		
Kent	DM	M		36	25		-		
		F		33	20		-		
		T	5,207	69	45	53	-		
TOTAL		**M**	**128,226**	**1,665**	**971**		**9**	**35.9**	**77.3**
		F	**128,153**	**1,497**	**871**		**8**	**37.6**	**82.1**
		T	**256,379**	**3,162**	**1,842**	**1,344**	**18**	**36.7**	**79.7**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
HSDA 22 FRASER NORTH									
LHA 040 New Westminster		M	29,387	314	219		1	38.2	76.1
		F	30,039	327	235		2	40.6	82.0
		T	59,426	641	454	344	3	39.4	79.2
New Westminster	C	M		314	219		1		
		F		328	235		2		
		T	59,426	642	454	344	3		
LHA 041 Burnaby		M	101,148	1,082	691		8	37.6	78.9
		F	104,113	1,018	707		11	39.6	83.6
		T	205,261	2,100	1,398	872	19	38.6	81.3
Burnaby	C	M		1,082	691		8		
		F		1,018	707		11		
		T	205,261	2,100	1,398	872	19		
LHA 042 Maple Ridge		M	43,872	448	275		2	34.9	76.9
		F	43,926	442	298		2	36.2	81.1
		T	87,798	890	573	369	4	35.6	79.1
Maple Ridge	DM	M		368	225		1		
		F		352	260		2		
		T	71,399	720	485	274	3		
Pitt Meadows	DM	M		79	50		1		
		F		89	37		-		
		T	16,148	168	87	95	1		
LHA 043 Coquitlam		M	104,273	1,034	477		4	35.1	78.9
		F	104,669	1,030	503	7	36.6	83.0	
		T	208,942	2,064	980	649	11	35.8	81.0
Anmore	VL	M		8	2		-		
		F		8	4		-		
		T	1,496	16	6	4	-		
Belcarra	VL	M		2	1		-		
		F		4	1		-		
		T	716	6	2	2	-		
Coquitlam	C	M		584	291		3		
		F		580	311		2		
		T	122,696	1,164	602	404	5		
Port Coquitlam	C	M		291	132		-		
		F		293	140		4		
		T	57,308	584	272	136	4		
Port Moody	C	M		149	51		1		
		F		145	47		1		
		T	26,690	294	98	103	2		
TOTAL		**M**	**278,680**	**2,878**	**1,662**		**15**	**36.3**	**78.2**
		F	**282,747**	**2,817**	**1,743**		**22**	**38.1**	**82.9**
		T	**561,427**	**5,695**	**3,405**	**2,234**	**37**	**37.2**	**80.6**



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
HSDA 23 FRASER SOUTH									
LHA 035 Langley		M	57,634	629	388		4	36.6	78.3
		F	58,838	593	368		2	38.1	82.9
		T	116,472	1,222	756	634	6	37.4	80.7
Langley	C	M		142	120		1		
		F		144	105		1		
		T	24,577	286	225	225	2		
Langley	DM	M		487	263		3		
		F		449	257		1		
		T	91,359	936	520	409	4		
LHA 037 Delta		M	50,186	555	290		1	36.6	79.2
		F	50,889	488	280		2	37.4	83.4
		T	101,075	1,043	570	274	6	37.0	81.5
Delta	DM	M		554	290		1		
		F		486	279		2		
		T	100,571	1,040	569	273	3		
LHA 201 Surrey		M	166,138	2,276	809		11	33.6	77.1
		F	164,804	2,100	718		10	35.4	84.1
		T	330,942	4,376	1,527	1,021	22	34.5	80.7
Surrey	C	M		2,480	1,086		11		
		F		2,263	1,018		12		
		T	390,145	4,743	2,104	1,365	23		
LHA 202 South Surrey/ White Rock		M	37,489	261	400		-	42.1	79.3
		F	41,554	234	474		2	46.2	84.7
		T	79,043	495	874	461	2	44.3	82.2
White Rock	C	M		56	122		-		
		F		68	174		-		
		T	19,539	124	296	109	-		
TOTAL		**M**	**311,447**	**3,721**	**1,887**		**16**	**35.7**	**78.0**
		F	**316,085**	**3,415**	**1,840**		**16**	**37.7**	**83.7**
		T	**627,532**	**7,136**	**3,727**	**2,390**	**36**	**36.7**	**81.0**
HA 02 FRASER TOTAL		**M**	**718,353**	**8,264**	**4,520**		**40**	**36.0**	**78.0**
		F	**726,985**	**7,729**	**4,454**		**46**	**37.8**	**83.1**
		T	**1,445,338**	**15,993**	**8,974**	**5,968**	**91**	**36.9**	**80.6**
HSDA 31 RICHMOND									
LHA 038 Richmond		M	84,878	788	387		4	37.6	81.7
		F	89,323	681	455		10	39.5	84.7
		T	174,201	1,469	842	973	14	38.6	83.3
Richmond	C	M		788	387		4		
		F		681	455		10		
		T	174,201	1,469	842	973	14		
TOTAL		**M**	**84,878**	**788**	**387**		**4**	**37.6**	**81.7**
		F	**89,323**	**681**	**455**		**10**	**39.5**	**84.7**
		T	**174,201**	**1,469**	**842**	**973**	**14**	**38.6**	**83.3**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
HSDA 32 VANCOUVER									
LHA 161 Vancouver City Centre		M	49,303	373	314		6	38.6	76.1
		F	47,854	401	329		5	39.8	82.6
		T	97,157	774	643	1,142	12	39.2	79.3
LHA 162 Vancouver Downtown East Side		M	28,090	255	340		2	40.0	68.5
		F	23,589	209	189		1	40.3	79.3
		T	51,679	464	529	282	4	40.2	72.7
LHA 163 Vancouver North East		M	48,304	554	282		5	36.9	78.6
		F	49,129	547	291		6	38.7	83.4
		T	97,433	1,102	574	421	11	37.8	81.1
LHA 164 Vancouver West Side		M	57,784	613	302		3	37.1	80.9
		F	63,364	528	385		7	39.6	84.5
		T	121,148	1,141	687	1,267	11	38.4	82.9
LHA 165 Vancouver Midtown		M	42,737	513	246		4	36.6	77.8
		F	43,887	474	250		9	38.4	83.6
		T	86,624	987	496	340	13	37.5	80.7
LHA 166 Vancouver South		M	59,986	658	328		3	37.6	80.1
		F	64,007	610	449		4	40.1	84.1
		T	123,993	1,269	778	367	7	38.9	82.2
TOTAL		**M**	**286,204**	**2,971**	**1,827**		**23**	**37.7**	**77.6**
		F	**291,830**	**2,772**	**1,897**		**32**	**39.5**	**83.4**
		T	**578,034**	**5,745**	**3,726**	**4,008**	**58**	**38.6**	**80.5**
HSDA 33 NORTH SHORE/COAST GARIBALDI									
LHA 044 North Vancouver		M	66,095	666	370		-	37.6	80.0
		F	69,562	629	417		4	39.5	83.1
		T	135,657	1,295	787	503	4	38.6	81.6
North Vancouver	C	M		272	154		-		
		F		257	193		1		
		T	48,136	529	347	182	1		
North Vancouver	DM	M		381	210		1		
		F		364	222		3		
		T	85,839	745	432	310	4		
LHA 045 West Vancouver-Bowen Island		M	23,618	165	196		1	43.0	82.0
		F	26,351	162	259		-	45.4	85.4
		T	49,969	327	455	345	1	44.3	83.8
Bowen Island	IM	M		19	4		-		
		F		18	9		-		
		T	3,244	37	13	28	-		
Lions Bay	VL	M		5	1		-		
		F		6	2		-		
		T	1,419	11	3	7	-		
West Vancouver	DM	M		130	180		-		
		F		127	237		-		
		T	42,867	257	417	303	-		
LHA 046 Sunshine Coast		M	13,206	79	117		3	40.9	78.2
		F	13,850	96	123		-	41.8	82.9
		T	27,056	175	240	162	3	41.3	80.5
Gibsons	T	M		35	29		1		
		F		41	39		-		
		T	4,133	76	68	55	1		
Sechelt/ Sechelt Indian Gov. Dist.	DM/ IGD	M		26	60		2		
		F		32	59		-		
		T	9,060	58	119	52	2		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
LHA 047 Powell River		M	10,162	66	103		-	39.9	78.2
		F	9,911	67	77		1	41.3	81.9
		T	20,073	133	180	98	1	40.6	80.0
Powell River	DM	M		48	74		-		
		F		54	63		-		
		T	13,407	102	137	61	-		
LHA 048 Howe Sound		M	16,090	205	65		-	33.9	77.2
		F	14,453	163	47		-	34.0	82.4
		T	30,543	368	112	425	-	33.9	79.6
Pemberton	VL	M		31	5		-		
		F		27	5		-		
		T	1,997	58	10	20	-		
Squamish	DM	M		98	50		-		
		F		80	32		-		
		T	14,954	178	82	81	-		
Whistler	DM	M		52	6		-		
		F		34	2		-		
		T	9,480	86	8	273	-		
LHA 049 Bella Coola Valley		M	1,774	27	17		2	33.5	72.0
		F	1,548	25	7		-	34.3	81.6
		T	3,322	52	24	14	2	33.9	75.9
LHA 083 Central Coast		M	904	20	7		-	34.9	66.8
		F	779	10	8		-	33.2	71.3
		T	1,683	30	15	8	-	34.1	68.5
TOTAL		**M**	**131,849**	**1,228**	**875**		**6**	**38.6**	**79.6**
		F	**136,454**	**1,152**	**938**		**5**	**40.4**	**83.4**
		T	**268,303**	**2,380**	**1,813**	**1,555**	**11**	**39.5**	**81.6**
HA 03 VANCOUVER COASTAL TOTAL		**M**	**502,931**	**4,987**	**3,089**		**33**	**37.9**	**78.8**
		F	**517,607**	**4,605**	**3,290**		**47**	**39.7**	**83.6**
		T	**1,020,538**	**9,594**	**6,381**	**6,536**	**83**	**38.8**	**81.2**

HSDA 41 SOUTH VANCOUVER ISLAND

LHA 061 Greater Victoria		M	98,972	893	950		7	39.6	77.7
		F	109,874	876	1,171		4	43.0	82.5
		T	208,846	1,769	2,121	1,419	11	41.4	80.2
Esquimalt	DM	M		107	75		-		
		F		88	47		-		
		T	16,710	195	122	121	-		
Oak Bay	DM	M		41	112		-		
		F		55	115		-		
		T	18,207	96	227	114	-		
Victoria	C	M		319	442		3		
		F		289	676		3		
		T	76,387	608	1,118	854	6		
View Royal	T	M		42	32		-		
		F		39	16		-		
		T	7,868	81	48	53	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
LHA 062 Sooke		M	27,914	278	153		5	36.1	78.8
		F	27,707	257	165		2	37.2	82.2
		T	55,621	535	318	357	7	36.6	80.5
Colwood	C	M		70	43		2		
		F		70	70		1		
		T	14,437	140	113	96	3		
Highlands	DM	M		10	1		-		
		F		4	1		-		
		T	1,773	14	2	18	-		
Langford	DM	M		110	56		2		
		F		107	54		1		
		T	20,292	217	110	48	3		
Metchosin	DM	M		22	8		-		
		F		16	12		-		
		T	5,161	38	20	26	-		
Sooke	DM	M		64	43		1		
		F		59	26		-		
		T	9,305	123	69	164	1		
LHA 063 Saanich		M	29,678	217	315		1	43.2	80.8
		F	31,681	208	278		-	45.1	84.1
		T	61,359	425	593	353	1	44.2	82.5
Central Saanich	DM	M		77	80		1		
		F		68	75		-		
		T	16,091	145	155	76	1		
North Saanich	DM	M		35	30		-		
		F		33	25		-		
		T	10,923	68	55	74	-		
Saanich	DM	M		425	404		4		
		F		441	390		1		
		T	107,964	866	794	378	5		
Sidney	T	M		37	76		-		
		F		42	96		-		
		T	11,372	79	172	90	-		
LHA 064 Gulf Islands		M	6,841	43	69		-	44.9	78.9
		F	7,464	41	63		-	46.3	84.4
		T	14,305	84	132	194	-	45.7	81.7
TOTAL		**M**	**163,405**	**1,431**	**1,487**		**13**	**39.9**	**78.6**
		F	**176,726**	**1,382**	**1,677**		**6**	**42.6**	**82.9**
		T	**340,131**	**2,813**	**3,164**	**2,323**	**19**	**41.3**	**80.8**
HSDA 42 CENTRAL VANCOUVER ISLAND									
LHA 065 Cowichan		M	26,005	229	212		3	38.8	77.7
		F	26,790	230	221		2	40.0	82.6
		T	52,795	459	433	303	5	39.4	80.1
Duncan	C	M		30	39		1		
		F		28	60		-		
		T	4,820	58	99	41	1		
North Cowichan	DM	M		118	115		-		
		F		134	122		1		
		T	27,368	252	237	118	1		
LHA 066 Lake Cowichan		M	3,189	16	28		-	39.0	78.8
		F	3,041	11	19		-	38.2	84.5
		T	6,230	27	47	33	-	38.6	81.5
Lake Cowichan	T	M		13	23		-		
		F		9	15		-		
		T	2,958	22	38	21	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
LHA 067 Ladysmith		M	8,168	59	80		-	40.8	76.6
		F	8,385	71	85		2	42.4	81.0
		T	16,553	130	165	117	2	41.6	78.8
Ladysmith	T	M		30	37		-		
		F		31	44		1		
		T	6,972	61	81	44	1		
LHA 068 Nanaimo		M	45,977	398	408		2	38.7	77.5
		F	48,138	424	423		2	40.3	81.4
		T	94,115	822	831	411	4	39.5	79.5
Nanaimo	C	M		345	364		2		
		F		372	396		1		
		T	76,736	717	760	344	3		
LHA 069 Qualicum		M	19,900	124	257		1	44.5	78.6
		F	20,828	114	204		1	46.3	83.0
		T	40,728	238	461	260	2	45.5	80.7
Parksville	C	M		39	97		1		
		F		52	80		1		
		T	10,932	91	177	89	2		
Qualicum Beach	T	M		15	67		-		
		F		9	43		-		
		T	7,294	24	110	55	-		
LHA 070 Alberni		M	15,993	142	142		-	38.3	75.7
		F	15,455	135	128		1	39.1	80.1
		T	31,448	277	270	354	1	38.7	77.9
Port Alberni	C	M		84	96		-		
		F		69	101		1		
		T	18,235	153	197	76	1		
Tofino	DM	M		16	3		-		
		F		16	2		-		
		T	1,653	32	5	174	-		
Ucluelet	DM	M		9	5		-		
		F		7	6		-		
		T	1,652	16	11	54	-		
TOTAL		**M**	**119,232**	~~958~~	**1,127**		**6**	**39.8**	**77.5**
		F	**122,637**	~~985~~	**1,080**		**8**	**41.2**	**81.8**
		T	**241,869**	**1,953**	**2,207**	**1,175**	**14**	**40.5**	**79.6**
HSDA 43 NORTH VANCOUVER ISLAND									
LHA 071 Courtenay		M	28,824	213	261		2	39.1	77.0
		F	29,697	240	206		2	40.3	82.4
		T	58,521	453	467	315	4	39.7	79.7
Comox	T	M		38	58	-	-		
		F		33	57	-	-		
		T	11,937	71	115	88	-		
Courtenay	C	M		98	96	-	2		
		F		109	83	-	1		
		T	20,340	207	179	105	3		
Cumberland	VL	M		12	21	-	-		
		F		19	10	-	-		
		T	2,747	31	31	12	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
LHA 072 Campbell River		M	19,909	202	142		-	37.2	76.6
		F	19,465	181	130		2	37.4	82.2
		T	39,374	383	272	195	2	37.3	79.3
Campbell River	DM	M		168	115		-		
		F		132	108		1		
		T	29,617	300	223	128	1		
Sayward	VL	M		4	4		-		
		F		8	1		-		
		T	397	12	5	2	-		
LHA 084 Vancouver Island West		M	1,261	15	6		-	33.2	73.5
		F	1,100	14	1		-	32.1	75.2
		T	2,361	29	7	3	-	32.7	76.4
Gold River	VL	M		8	3		-		
		F		11	-		-		
		T	1,340	19	3	2	-		
Tahsis	VL	M		3	1		-		
		F		-	-		-		
		T	559	3	1	-	-		
LHA 085 Vancouver Island North		M	7,188	69	34		-	34.5	75.6
		F	6,507	79	31		1	32.7	77.6
		T	13,695	148	65	47	1	33.7	76.5
Alert Bay	VL	M		9	7		-		
		F		6	7		1		
		T	634	15	14	6	1		
Port Alice	VL	M		4	4		-		
		F		2	-		-		
		T	1,111	6	4	2	-		
Port Hardy	DM	M		34	13		-		
		F		43	12		-		
		T	4,551	77	25	20	-		
Port McNeill	T	M		13	6		-		
		F		19	5		-		
		T	2,847	32	11	11	-		
Zeballos	VL	M		1	1		-		
		F		1	-		-		
		T	228	2	1	-	-		
TOTAL		**M**	**57,182**	**499**	**443**		**2**	**37.7**	**76.7**
		F	**56,769**	**514**	**368**		**5**	**38.3**	**81.9**
		T	**113,951**	**1,013**	**811**	**560**	**7**	**38.0**	**79.2**
HA 04 VANCOUVER ISLAND TOTAL		**M**	**339,819**	**2,898**	**3,057**		**21**	**39.5**	**77.9**
		F	**356,132**	**2,881**	**3,125**		**19**	**41.4**	**82.4**
		T	**695,951**	**5,779**	**6,182**	**4,361**	**40**	**40.5**	**80.2**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
HSDA 51 NORTHWEST									
LHA 050 Queen Charlotte		M	2,715	34	10		1	35.8	73.7
		F	2,372	29	5		-	35.8	81.9
		T	5,087	63	15	18	1	35.8	78.2
Masset	VL	M		12	4		-		
		F		8	3		-		
		T	952	20	7	10	-		
Port Clements	VL	M		2	1		1		
		F		5	-		-		
		T	520	7	1	2	1		
LHA 051 Snow Country		M	420	4	1		-	36.1	71.8
		F	367	3	2		-	33.8	78.0
		T	787	7	3	1	-	35.0	73.8
Stewart	DM	M		4	1		-		
		F		3	2		-		
		T	701	7	3	1	-		
LHA 052 Prince Rupert		M	8,399	109	32		2	33.3	73.6
		F	7,977	102	36		1	33.4	80.8
		T	16,376	211	68	60	3	33.4	76.9
Port Edward	DM	M		2	-		1		
		F		5	3		-		
		T	658	7	3	-	1		
Prince Rupert	C	M		101	29		1		
		F		93	32		1		
		T	14,760	194	61	58	2		
LHA 053 Upper Skeena		M	2,937	40	13		-	32.7	75.9
		F	2,696	36	9		-	31.8	79.8
		T	5,633	76	22	24	-	32.3	77.5
Hazelton	VL	M		24	8		-		
		F		22	7		-		
		T	348	46	15	11	-		
New Hazelton	DM	M		11	4		-		
		F		5	-		-		
		T	759	16	4	6	-		
LHA 054 Smithers		M	9,008	113	44		1	33.3	77.0
		F	8,453	105	43		2	33.3	81.0
		T	17,461	218	87	83	3	33.3	78.9
Houston	DM	M		28	9		-		
		F		25	7		2		
		T	3,551	53	16	21	2		
Smithers	T	M		42	30		1		
		F		60	31		-		
		T	5,513	102	61	42	1		
Telkwa	VL	M		16	3		-		
		F		5	2		-		
		T	1,411	21	5	10	-		
LHA 080 Kitimat		M	6,029	36	26		1	33.8	78.1
		F	5,498	45	23		-	34.2	80.2
		T	11,527	81	49	35	1	34.0	79.1
Kitimat	DM	M		32	21		1		
		F		35	19		-		
		T	10,432	67	40	32	1		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
LHA 087 Stikine		M	636	4	4		-	37.1	75.2
		F	588	-	1		-	36.7	83.1
		T	1,224	4	5	10	-	36.9	81.5
LHA 088 Terrace		M	11,298	142	67		-	33.6	75.7
		F	10,642	114	51		-	32.9	80.3
		T	21,940	256	118	109	-	33.3	77.8
Terrace	C	M		80	31		-		
		F		73	33		-		
		T	12,373	153	64	64	-		
LHA 092 Nisga'a		M	989	13	7		-	31.0	71.6
		F	833	12	5		-	31.2	73.7
		T	1,822	25	12	6	-	31.1	72.3
LHA 094 Telegraph Creek		M	333	5	4		-	30.3	66.8
		F	291	3	1		-	30.8	68.0
		T	624	8	5	3	-	30.5	69.9
TOTAL		**M**	**42,764**	**500**	**208**		**5**	**33.6**	**75.6**
		F	**39,717**	**449**	**176**		**3**	**33.4**	**80.5**
		T	**82,481**	**949**	**384**	**349**	**8**	**33.5**	**77.8**
HSDA 52 NORTHERN INTERIOR									
LHA 028 Quesnel		M	12,762	106	102		1	36.2	76.8
		F	12,332	118	69		1	36.3	80.2
		T	25,094	224	171	105	2	36.3	78.4
Quesnel	C	M		43	50		-		
		F		52	36		1		
		T	10,198	95	86	53	1		
Wells	DM	M		-	-		-		
		F		1	2		-		
		T	237	1	2	2	-		
LHA 055 Burns Lake		M	3,964	44	25		1	35.6	76.4
		F	3,680	40	20		2	35.1	81.4
		T	7,644	84	45	36	3	35.4	78.7
Burns Lake	VL	M		41	22		-		
		F		35	17		1		
		T	2,077	76	39	32	1		
Granisle	VL	M		3	2		-		
		F		3	3		1		
		T	349	6	5	2	1		
LHA 056 Nechako		M	8,884	107	55		1	33.4	74.2
		F	8,168	115	40		1	32.6	80.3
		T	17,052	222	95	75	2	33.0	77.0
Fort St. James	DM	M		32	17		1		
		F		38	9		-		
		T	1,964	70	26	15	1		
Fraser Lake	VL	M		8	8		-		
		F		9	6		1		
		T	1,267	17	14	11	1		
Vanderhoof	DM	M		59	24		-		
		F		59	19		-		
		T	4,517	118	43	45	-		
LHA 057 Prince George		M	50,994	499	235		5	34.4	76.0
		F	48,658	527	218		6	34.4	80.0
		T	99,652	1,026	503	439	12	34.4	77.9

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
Mackenzie	DM	M		31	9		2		
		F		28	6		-		
		T	5,316	59	15	15	2		
McBride	VL	M		10	6		-		
		F		1	4		-		
		T	716	11	10	8	-		
Prince George	C	M		394	234		3		
		F		432	190		3		
		T	75,609	826	424	357	6		
Valemount	VL	M		2	7		-		
		F		1	2		1		
		T	1,232	3	9	7	1		
TOTAL		**M**	**76,604**	**756**	**467**		**8**	**34.7**	**76.0**
		F	**72,838**	**800**	**347**		**10**	**34.5**	**80.2**
		T	**149,442**	**1,556**	**814**	**655**	**19**	**34.6**	**78.0**

HSDA 53 NORTHEAST

LHA 059 Peace River South		M	13,651	116	98		-	34.2	75.0
		F	13,118	150	69		1	34.0	81.4
		T	26,769	266	167	115	1	34.1	78.0
Chetwynd	DM	M		20	6		-		
		F		37	4		1		
		T	2,542	57	10	14	1		
Dawson Creek	C	M		70	58		-		
		F		74	39		-		
		T	11,024	144	97	63	-		
Pouce Coupe	VL	M		5	16		-		
		F		6	20		-		
		T	850	11	36	3	-		
Tumbler Ridge	DM	M		6	5		-		
		F		4	4		-		
		T	2,459	10	9	8	-		
LHA 060 Peace River North		M	15,923	246	83		1	32.5	77.8
		F	14,814	264	69		2	32.5	83.5
		T	30,737	510	152	156	3	32.5	80.4
Fort St. John	C	M		137	53		1		
		F		172	57		-		
		T	16,730	309	110	98	1		
Hudson's Hope	DM	M		3	6		-		
		F		5	1		-		
		T	1,073	8	7	4	-		
Taylor	DM	M		9	2		-		
		F		13	2		-		
		T	1,258	22	4	9	-		
LHA 081 Fort Nelson		M	3,336	60	9		-	30.2	75.7
		F	2,841	45	5		-	29.6	79.8
		T	6,177	105	14	24	-	29.9	77.6
Fort Nelson	T	M		60	8		-		
		F		44	4		-		
		T	4,383	104	12	23	-		
TOTAL		**M**	**32,910**	**422**	**190**		**1**	**33.0**	**76.3**
		F	**30,773**	**459**	**143**		**3**	**32.9**	**82.3**
		T	**63,683**	**881**	**333**	**295**	**4**	**32.9**	**79.0**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2003

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (1999-2003)
HA 05 NORTHERN TOTAL		M	152,278	1,678	865		14	34.0	75.9
		F	143,328	1,708	666		16	33.9	80.7
		T	295,606	3,386	1,531	1,299	31	33.9	78.1
HA 06 PROVINCIAL HEALTH SERVICE AUTHORITY (PROVINCIAL TOTAL)		M	2,054,679	20,647	14,773		133	37.4	77.9
		F	2,091,901	19,636	14,333		146	39.1	82.8
		T	4,146,580	40,285	29,108	21,764	289	38.3	80.4

Note: Live births, stillbirths and deaths are assigned to communities based on the postal code of usual residence.
Marriages are assigned according to the place where the marriage ceremony was performed, and include non-residents.
Totals for gender include cases with unknown gender.
Population estimates and life expectancy (1999–2003) from BCSTATS, Ministry of Management Services.
† C=City, T=Town, VL=Village, DM=District Municipality, IGD=Indian Government District, IM=Island Municipality.
Some communities span the boundaries of more than one LHA. When this occurs, the community is shown under the LHA containing the larger portion of the population.

Appendix 2

Detailed Cause of Death by Gender and Age

Preamble to Appendix 2

Appendix 2 provides detailed causes of death by gender and age group for deaths that occurred in British Columbia to provincial residents in the current year. Causes of death are coded according to the World Health Organization's International Classification of Diseases, tenth revision (ICD-10). ICD-10 defines the underlying cause of death as "(a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury." ICD-10 codes consist of a letter followed by a two-digit number, and sometimes include a third digit to provide more specificity. In this appendix, the ICD-10 codes have been summed to the letter plus two-digit level and are presented only where there were at least five deaths from the specified cause.

The list below provides a summary of ICD-10 codes, including many of the subgroups used for underlying causes of death in this report:

Cause of Death Category	ICD-10 Code(s)
Certain infectious and parasitic diseases	A00-B99
Tuberculosis	A15-A19, B90
HIV disease	B20-B24
Neoplasms	C00-D48
Malignant neoplasms	C00-C97
Malignant neoplasm of colon and rectum	C18-C21
Malignant neoplasm of lung	C34
Malignant neoplasm of female breast	C500-C509
Diseases of blood and blood-forming organs and disorders involving the immune mechanism	D50-D89
Endocrine, nutritional, and metabolic diseases	E00-E90
Diabetes mellitus	E10-E14
Mental and behavioural disorders	F00-F99
Vascular/senile dementia	F01, F03
Psychoactive substance and drug use/abuse	F11-F16, F19
Diseases of the nervous system	G00-G99
Alzheimer's disease	G30
Diseases of the eye and adnexa	H00-H59
Diseases of the ear and mastoid process	H60-H95
Diseases of the circulatory system	I00-I99
Cardiovascular disease	I00-I51
Ischemic heart diseases	I20-I25
Cerebrovascular diseases	I60-I69
Atherosclerosis	I70
Diseases of the respiratory system	J00-J99
Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189
Chronic Pulmonary Disease	J40-J44
Asthma	J45-J46
Diseases of the digestive system	K00-K93
Diseases of liver	K70-K76
Chronic liver disease/cirrhosis	K70, K73-74, K760-K761
Diseases of the skin and subcutaneous tissue	L00-L99
Diseases of the musculoskeletal system and connective tissue	M00-M99
Diseases of the genitourinary system	N00-N99

Complications of pregnancy, childbirth, and the puerperium	O00-O99
Certain conditions originating in the perinatal period	P00-P96
Congenital malformations and chromosome abnormalities	Q00-Q99
Symptoms, signs and abnormal finding, unknown causes	R00-R99
Sudden infant death syndrome (SIDS)	R95
Cause of death unknown or pending	R96-R99
External causes	V01-Y98
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850
Other transport accidents	V01, V05-V06, V10-V11, V15-V18, V198-V199, V800-V802, V806-V809, V812-V819, V822-V829, V891, V893, V91, V93-V99, Y859
Accidental drowning (including water transport)	V90, V92, W65-W74
Accidental falls	W00-W19
Exposure to smoke, fire and flames	X00-X09
Accidental poisoning	X40-X49
Suicide	X60-X84, Y870
Homicide	X85-Y09, Y871

APPENDIX 2
DETAILED CAUSE OF DEATH BY GENDER AND AGE
BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
A04	Other bacterial intestinal infections	M	-	-	-	-	-	1	-	1	3	11	16
		F	-	-	-	-	-	-	-	-	7	8	15
A08	Viral and other specified intestinal infections	M	-	-	-	-	-	-	1	-	-	3	4
		F	-	-	-	-	-	-	1	1	1	7	10
A16	Respiratory tuberculosis	M	-	-	-	-	-	-	-	1	-	3	4
		F	-	-	-	-	-	-	-	-	1	3	4
A40	Streptococcal septicemia	M	-	-	-	-	-	-	-	2	-	2	4
		F	-	-	-	-	-	-	-	1	2	-	3
A41	Other septicemia	M	1	-	-	-	-	-	3	15	23	37	79
		F	-	-	-	-	-	-	1	5	31	67	104
A49	Bacterial infection of unspecified site	M	-	-	-	-	-	-	-	1	2	2	5
		F	-	-	-	-	-	-	-	-	-	-	-
B18	Chronic viral hepatitis	M	-	-	-	-	1	-	5	39	14	6	65
		F	-	-	-	-	-	-	1	21	11	-	33
B20	HIV resulting in infectious and parasitic diseases	M	-	-	-	-	-	-	20	24	1	-	45
		F	-	-	-	-	-	-	9	3	-	-	12
B21	HIV resulting in malignant neoplasms	M	-	-	-	-	-	-	3	5	-	-	8
		F	-	-	-	-	-	-	2	-	-	-	2
B22	HIV resulting in other specified diseases	M	-	-	-	-	-	-	13	7	2	-	22
		F	-	-	-	-	-	-	3	1	-	-	4
B23	HIV disease resulting in other conditions	M	-	-	-	-	-	-	5	10	1	-	16
		F	-	-	-	-	-	-	2	3	-	-	5
B24	Unspecified HIV disease	M	-	-	-	-	-	-	8	3	-	-	11
		F	-	-	-	-	-	-	-	-	-	-	-
B34	Viral infection of unspecified site	M	-	1	-	-	-	-	-	-	1	2	4
		F	-	-	-	-	-	-	-	-	3	-	3
B90	Sequelae of tuberculosis	M	-	-	-	-	-	-	-	1	2	2	5
		F	-	-	-	-	-	-	-	-	3	2	5
B91	Post polio syndrome	M	-	-	-	-	-	-	-	1	-	4	5
		F	-	-	-	-	-	-	-	-	1	3	4
C02	Malignant neoplasm of other and unspecified parts of tongue	M	-	-	-	-	-	-	2	11	8	1	22
		F	-	-	-	-	-	-	-	8	2	3	13
C05	Malignant neoplasm of palate	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	-	-	-	-	1	1	2
C06	Malignant neoplasm of other and unspecified parts of mouth	M	-	-	-	-	-	-	-	7	3	2	12
		F	-	-	-	-	-	-	-	-	3	8	11
C09	Malignant neoplasm of tonsil	M	-	-	-	-	-	-	-	5	1	-	6
		F	-	-	-	-	-	-	-	1	-	2	3
C10	Malignant neoplasm of oropharynx	M	-	-	-	-	-	-	-	2	3	1	6
		F	-	-	-	-	-	-	-	2	2	3	7
C11	Malignant neoplasm of nasopharynx	M	-	-	-	-	-	-	-	10	6	3	19
		F	-	-	-	-	-	-	3	1	-	-	4
C13	Malignant neoplasm of hypopharynx	M	-	-	-	-	-	-	-	2	3	-	5
		F	-	-	-	-	-	-	-	1	1	-	2
C14	Malignant neop. of other and ill-defined sites in the lip, oral cavity and pharynx	M	-	-	-	-	-	-	1	6	4	3	14
		F	-	-	-	-	-	-	-	2	3	2	7
C15	Malignant neoplasm of esophagus	M	-	-	-	-	-	-	7	50	68	39	164
		F	-	-	-	-	-	-	-	14	24	23	61
C16	Malignant neoplasm of stomach	M	-	-	-	-	-	-	4	30	53	43	130
		F	-	-	-	-	-	-	3	21	27	29	80
C17	Malignant neoplasm of small intestine	M	-	-	-	-	-	-	1	2	3	2	8
		F	-	-	-	-	-	-	1	1	1	4	7
C18	Malignant neoplasm of colon	M	-	-	-	-	-	1	7	78	152	91	329
		F	-	-	-	-	-	-	7	46	102	131	286
C19	Malignant neoplasm of rectosigmoid junction	M	-	-	-	-	-	-	-	5	12	6	23
		F	-	-	-	-	-	-	2	3	6	5	16
C20	Malignant neoplasm of rectum	M	-	-	-	-	-	-	3	18	39	20	80
		F	-	-	-	-	-	-	-	12	12	22	46
C21	Malignant neoplasm of anus and anal canal	M	-	-	-	-	-	-	-	4	-	2	6
		F	-	-	-	-	-	-	-	-	3	-	3
C22	Malignant neoplasm of liver and intrahepatic bile ducts	M	-	1	-	-	-	1	4	56	52	26	140
		F	-	-	-	-	-	-	-	14	34	27	75

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
C23	Malignant neoplasm of gallbladder	M	-	-	-	-	-	-	-	2	8	9	19
		F	-	-	-	-	-	-	-	3	10	5	18
C24	Malignant neoplasm of other and unspecified parts of biliary tract	M	-	-	-	-	-	-	-	3	7	4	14
		F	-	-	-	-	-	-	-	2	6	6	14
C25	Malignant neoplasm of pancreas	M	-	-	-	-	-	-	3	64	100	57	224
		F	-	-	-	-	-	-	4	48	110	79	241
C26	Malignant neoplasm of other and ill-defined digestive organs	M	-	-	-	-	-	-	-	25	43	39	107
		F	-	-	-	-	-	-	3	11	40	56	110
C31	Malignant neoplasm of accessory sinuses	M	-	-	-	-	-	-	1	-	1	-	2
		F	-	-	-	-	-	-	-	1	-	3	4
C32	Malignant neoplasm of larynx	M	-	-	-	-	-	-	-	10	18	5	33
		F	-	-	-	-	-	-	-	4	3	2	9
C34	Malignant neoplasm of bronchus and lung	M	-	-	-	-	-	1	15	261	582	285	1,144
		F	-	-	-	-	-	-	12	235	458	233	938
C37	Malignant neoplasm of thymus	M	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	-	-	2	-	2
C38	Malignant neoplasm of heart, mediastinum and pleura	M	-	-	-	-	-	-	-	3	-	2	5
		F	-	-	-	-	-	-	-	-	-	-	-
C41	Malignant neop. of bone and articular cartilage of other and unspecified sites	M	-	-	-	-	-	-	2	3	3	1	9
		F	-	-	-	-	2	-	1	-	-	2	5
C43	Malignant melanoma of skin	M	-	-	-	-	-	1	4	22	19	18	64
		F	-	-	-	-	-	-	2	17	23	14	56
C44	Other malignant neoplasms of skin	M	-	-	-	-	-	-	-	1	5	5	11
		F	-	-	-	-	-	-	-	1	1	4	6
C45	Mesothelioma	M	-	-	-	-	-	-	2	16	28	14	60
		F	-	-	-	-	-	-	-	3	3	1	7
C48	Malignant neoplasm of peritoneum and retro-peritoneum	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	4	7	2	13
C49	Malignant neoplasm of other connective and soft tissue	M	-	-	-	-	-	-	3	6	10	9	28
		F	-	-	-	-	1	-	1	6	7	9	24
C50	Malignant neoplasm of breast	M	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	37	214	181	183	615
C51	Malignant neoplasm of vulva	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	2	1	1	5
C53	Malignant neoplasm of cervix uteri	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	7	26	9	9	51
C54	Malignant neoplasm of corpus uteri	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	11	15	15	42
C55	Malignant neoplasm of uterus, part unspecified	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	8	17	13	39
C56	Malignant neoplasm of ovary	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	15	63	88	78	244
C61	Malignant neoplasm of prostate	M	-	-	-	-	-	-	-	29	179	231	439
		F	-	-	-	-	-	-	-	-	-	-	-
C62	Malignant neoplasm of testis	M	-	-	-	-	-	1	5	3	-	1	10
		F	-	-	-	-	-	-	-	-	-	-	-
C64	Malignant neoplasm of kidney, except renal pelvis	M	-	-	-	1	-	-	3	23	44	23	94
		F	-	-	-	-	-	-	2	14	25	20	61
C66	Malignant neoplasm of ureter	M	-	-	-	-	-	-	-	1	1	3	5
		F	-	-	-	-	-	-	-	1	3	1	5
C67	Malignant neoplasm of bladder	M	-	-	-	-	-	-	-	28	60	60	148
		F	-	-	-	-	-	-	-	6	22	32	60
C68	Malignant neoplasm of other and unspecified urinary organs	M	-	-	-	-	-	-	-	1	3	1	5
		F	-	-	-	-	-	-	-	-	-	4	4
C71	Malignant neoplasm of brain	M	-	-	2	-	1	1	13	38	56	14	125
		F	-	1	1	3	-	1	10	35	27	18	96
C73	Malignant neoplasm of thyroid gland	M	-	-	-	-	-	-	1	4	3	2	10
		F	-	-	-	-	-	-	-	1	7	3	11
C74	Malignant neoplasm of adrenal gland	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	1	-	-	-	-	1	1	1	4
C76	Malignant neoplasm of other and ill-defined sites	M	-	-	-	-	-	-	1	4	6	2	13
		F	-	-	-	-	-	-	-	2	6	23	31

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
C78	Secondary malignant neoplasm of respiratory and digestive organs	M	-	-	-	-	-	-	-	1	4	2	7
		F	-	-	-	-	-	-	-	2	1	2	5
C79	Secondary malignant neoplasm of other sites	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	1	1	-	2
C80	Malignant neoplasm - primary site unknown	M	-	-	-	-	-	-	1	51	91	54	197
		F	-	-	-	1	1	1	6	38	73	97	217
C81	Hodgkin's disease	M	-	-	-	-	1	-	-	1	3	1	6
		F	-	-	-	-	1	-	1	-	-	1	3
C82	Follicular [nodular] non-Hodgkin's lymphoma	M	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	1	3	-	4
C83	Diffuse non-Hodgkin's lymphoma	M	-	-	-	-	-	1	1	6	5	8	21
		F	-	-	-	-	-	-	-	2	4	3	9
C84	Peripheral and cutaneous T-cell lymphomas	M	-	-	1	-	-	-	-	4	5	1	11
		F	-	-	-	-	-	-	-	2	2	3	7
C85	Other and unspecified types of non-Hodgkin's lymphoma	M	-	-	-	-	1	1	7	30	67	37	143
		F	-	-	-	-	-	-	3	24	57	49	133
C88	Malignant immunoproliferative diseases	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	3	-	3
C90	Multiple myeloma and malignant plasma cell neoplasms	M	-	-	-	-	-	-	1	16	33	28	78
		F	-	-	-	-	-	-	-	12	32	24	68
C91	Lymphoid leukemia	M	-	-	-	1	1	1	2	4	23	21	53
		F	-	-	-	-	-	1	-	5	9	11	26
C92	Myeloid leukemia	M	-	-	1	-	-	-	4	17	21	17	60
		F	-	-	-	-	-	-	2	7	20	18	47
C93	Monocytic leukaemia	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	1	1	2
C95	Leukemia of unspecified cell type	M	-	-	1	-	-	-	-	7	18	15	41
		F	-	-	-	-	1	-	1	3	15	16	36
D32	Benign neoplasm of meninges	M	-	-	-	-	-	-	-	-	4	2	6
		F	-	-	-	-	-	-	1	1	5	3	10
D43	Neoplasm of uncer./unk. behaviour of brain & central nervous system	M	-	1	-	-	-	-	2	3	7	7	20
		F	-	-	-	-	-	-	1	8	4	8	21
D45	Polycythemia vera	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	2	3	5
D46	Myelodysplastic syndromes	M	-	-	-	-	-	-	2	3	17	22	44
		F	-	-	-	-	-	-	-	4	6	18	28
D47	Neoplasm of uncer./unk. behaviour of lymphoid, hematopoietic and rel. tissue	M	-	-	-	-	-	-	-	1	3	5	9
		F	-	-	-	-	-	-	-	-	3	6	9
D48	Neoplasm of uncer./unk. behaviour of other and unspecified sites	M	-	-	-	-	-	-	1	1	3	1	6
		F	-	-	-	-	-	-	-	2	3	3	8
D61	Other aplastic anemias	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	1	-	1	4	-	6
D64	Other anemias	M	-	-	-	-	-	-	-	1	4	9	14
		F	-	-	-	-	-	-	-	-	1	22	23
D69	Purpura and other hemorrhagic conditions	M	-	-	-	-	-	-	-	1	-	3	4
		F	-	-	-	-	-	-	-	-	1	3	4
D86	Sarcoidosis	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	2	1	1	4
E03	Other hypothyroidism	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	2	8	10
E10	Insulin-dependent diabetes mellitus	M	-	-	-	-	-	-	2	12	22	11	47
		F	-	-	-	-	-	-	-	8	12	15	35
E11	Non-insulin-dependent diabetes mellitus	M	-	-	-	-	-	-	-	18	34	41	93
		F	-	-	-	-	-	-	-	6	25	44	75
E14	Diabetes mellitus NOS	M	-	-	-	-	-	1	4	69	155	133	362
		F	-	-	-	-	-	1	3	30	123	174	331
E43	Unspecified severe protein-energy malnutrition	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	2	2	4
E46	Unspecified protein-energy malnutrition	M	-	-	-	-	-	-	-	-	-	5	5
		F	-	-	-	-	-	-	-	1	2	7	10
E66	Obesity	M	-	-	-	-	-	-	-	13	6	-	19
		F	-	-	-	-	-	-	-	6	7	5	18

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
E78	Disorders of lipoprotein metabolism and other lipidemias	M	-	-	-	-	-	-	-	11	19	9	39
		F	-	-	-	-	-	-	-	-	11	11	22
E84	Cystic fibrosis	M	1	-	-	-	-	2	2	-	-	-	5
		F	-	-	-	1	1	-	1	-	1	-	4
E85	Amyloidosis	M	-	-	-	-	-	-	-	1	4	1	6
		F	-	-	-	-	-	-	1	1	4	3	9
E86	Volume depletion	M	-	-	-	-	-	-	-	-	1	7	8
		F	-	-	-	-	-	-	-	2	2	24	28
E87	Other disorders of fluid, electrolyte and acid-base balance	M	-	-	-	-	-	-	-	1	1	5	7
		F	-	-	-	-	-	-	-	1	1	15	17
E88	Other metabolic disorders	M	1	-	-	-	-	-	1	-	4	1	7
		F	-	-	-	-	-	-	-	-	-	5	5
F03	Unspecified dementia	M	-	-	-	-	-	-	-	1	27	130	158
		F	-	-	-	-	-	-	-	1	43	359	403
F05	Delirium, not induced by alcohol and other psychoactive substances	M	-	-	-	-	-	-	-	-	2	2	4
		F	-	-	-	-	-	-	-	-	1	6	7
F06	Oth. mental disord. due to brain damage & dysfunction & phys. dis.	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	1	2	2	5
F10	Mental and behavioural disorders due to use of alcohol	M	-	-	-	-	-	-	13	28	31	9	81
		F	-	-	-	-	-	-	3	9	8	8	28
F11	Misuse of opioids	M	-	-	-	-	-	1	-	2	-	-	3
		F	-	-	-	-	-	1	1	-	-	-	2
F14	Use of cocaine	M	-	-	-	-	-	-	-	4	-	-	4
		F	-	-	-	-	-	1	3	-	-	-	4
F19	Multiple drug misuse and misuse of other psychoactive substances	M	-	-	-	-	-	-	3	3	1	-	7
		F	-	-	-	-	-	-	3	1	-	-	4
F20	Schizophrenia	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	1	1	5	7
F32	Depressive episode	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	4	5
F50	Eating disorders	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	1	1	3	5
G00	Bacterial meningitis, NEC	M	-	-	-	-	-	-	1	1	-	-	2
		F	-	-	-	-	-	-	2	2	-	-	4
G10	Huntington's disease	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	-	-	-	-	2	-	2
G12	Spinal muscular atrophy and related syndromes	M	-	-	-	-	-	1	-	12	40	11	64
		F	-	1	-	-	1	-	1	7	33	12	55
G20	Parkinson's disease	M	-	-	-	-	-	-	-	1	40	69	110
		F	-	-	-	-	-	-	-	2	22	51	75
G30	Alzheimer's disease	M	-	-	-	-	-	-	-	8	51	131	190
		F	-	-	-	-	-	-	-	-	66	306	372
G31	Other degenerative diseases of nervous system, NEC	M	-	-	-	-	-	-	-	6	15	10	31
		F	-	-	-	-	-	-	1	3	9	13	26
G35	Multiple sclerosis	M	-	-	-	-	-	-	4	12	4	4	24
		F	-	-	-	-	-	-	4	16	11	8	39
G40	Epilepsy	M	-	-	-	-	1	-	2	2	-	1	6
		F	-	-	-	-	-	-	1	1	-	1	3
G45	Transient cerebral ischemic attacks and related syndromes	M	-	-	-	-	-	-	-	-	-	4	4
		F	-	-	-	-	-	-	-	-	-	5	5
G70	Other myoneural disorders	M	-	-	-	-	-	-	-	1	1	4	6
		F	-	-	-	-	-	-	-	1	2	3	6
G71	Primary disorders of muscles	M	2	-	-	-	-	1	1	4	-	-	8
		F	1	-	-	-	-	-	1	2	2	-	6
G80	Infantile cerebral palsy	M	-	-	-	-	-	-	2	3	1	-	6
		F	-	-	-	-	-	-	2	-	1	-	3
G81	Hemiplegia	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	1	1	1	3
G82	Paraplegia and tetraplegia	M	-	-	-	-	-	1	-	3	1	1	6
		F	-	-	-	-	-	-	-	2	1	1	4
G90	Disorders of autonomic nervous system	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	1	-	1	2

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
G93	Other disorders of brain	M	-	-	-	-	-	1	3	10	5	5	24
		F	-	-	-	-	-	-	1	4	6	8	19
G95	Other diseases of spinal cord	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	-	2	2
I05	Rheumatic mitral valve diseases	M	-	-	-	-	-	-	-	1	11	1	13
		F	-	-	-	-	-	1	1	4	7	10	23
I07	Rheumatic tricuspid valve diseases	M	-	-	-	-	-	-	-	-	2	-	2
		F	-	-	-	-	-	-	1	-	-	2	3
I08	Multiple valve diseases	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	-	2	9	11
I09	Other rheumatic heart diseases	M	-	-	-	-	-	-	-	1	2	1	4
		F	-	-	-	-	-	-	-	-	3	7	10
I10	Essential (primary) hypertension	M	-	-	-	-	-	-	-	8	19	15	42
		F	-	-	-	-	-	-	1	4	16	63	84
I11	Hypertensive heart disease	M	-	-	-	-	-	-	2	10	12	13	37
		F	-	-	-	-	-	-	1	1	4	44	50
I12	Hypertensive renal disease	M	-	-	-	-	-	-	-	3	8	20	31
		F	-	-	-	-	-	-	-	-	5	21	26
I13	Hypertensive heart and renal disease	M	-	-	-	-	-	-	-	-	5	1	6
		F	-	-	-	-	-	-	-	-	2	3	5
I20	Angina pectoris	M	-	-	-	-	-	-	-	1	2	6	9
		F	-	-	-	-	-	-	-	-	1	6	7
I21	Acute MI	M	-	-	-	-	-	-	19	206	538	552	1,315
		F	-	-	-	-	-	-	2	54	239	662	957
I24	Other acute ischemic heart diseases	M	-	-	-	-	-	-	-	2	2	8	12
		F	-	-	-	-	-	-	-	1	4	11	16
I25	Chronic ischemic heart disease	M	-	-	-	-	-	1	17	196	440	624	1,278
		F	-	-	-	-	-	-	3	40	220	804	1,067
I26	Pulmonary embolism	M	-	-	-	-	-	-	1	11	10	12	34
		F	-	-	-	-	-	1	1	7	9	20	38
I27	Other pulmonary heart diseases	M	-	-	-	-	-	-	-	4	11	7	22
		F	-	-	-	-	-	-	2	3	9	10	24
I31	Other diseases of pericardium	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	1	1	2	4
I33	Acute and subacute endocarditis	M	-	-	-	-	-	-	1	3	3	2	9
		F	-	-	-	-	-	-	3	-	-	-	3
I34	Nonrheumatic mitral valve disorders	M	-	-	-	-	-	-	2	2	2	11	17
		F	-	-	-	-	-	-	1	2	8	11	22
I35	Nonrheumatic aortic valve disorders	M	-	-	-	-	-	-	-	9	16	38	63
		F	-	-	-	-	-	-	-	2	12	48	62
I38	Endocarditis	M	-	-	-	-	-	-	4	2	3	16	25
		F	-	-	-	-	1	-	1	2	15	24	43
I42	Cardiomyopathy	M	-	-	-	1	-	1	9	30	40	22	103
		F	-	1	-	-	-	-	2	8	23	20	54
I44	Atrioventricular and left bundle-branch block	M	-	-	-	-	-	-	-	-	2	1	3
		F	-	-	-	-	-	-	-	-	-	7	7
I46	Cardiac arrest	M	-	-	-	-	-	-	2	7	5	9	23
		F	-	-	-	-	-	-	-	1	9	23	33
I47	Paroxysmal tachycardia	M	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	-	1	3	4
I48	Atrial fibrillation and flutter	M	-	-	-	-	-	-	-	3	19	70	92
		F	-	-	-	-	-	-	-	-	21	108	129
I49	Other cardiac arrhythmias	M	1	-	-	-	-	-	1	15	13	28	58
		F	-	-	-	-	-	-	-	3	7	37	47
I50	Heart failure	M	-	-	-	-	-	-	-	9	74	212	295
		F	-	-	-	-	-	-	-	4	67	394	465
I51	Complications and ill-defined descriptions of heart disease	M	-	-	-	-	-	-	3	3	26	20	52
		F	-	-	-	-	-	1	2	2	9	22	36
I60	Subarachnoid hemorrhage	M	-	-	-	-	-	-	3	11	8	1	23
		F	-	-	-	-	-	-	5	24	18	10	57
I61	Intracerebral hemorrhage	M	-	-	-	-	-	-	3	15	41	40	99
		F	-	-	-	-	-	-	4	10	28	71	113

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
I62	Other nontraumatic intracranial hemorrhage	M	-	-	-	-	-	-	-	5	15	8	28
		F	-	-	-	-	-	-	-	8	15	22	45
I63	Cerebral infarction	M	-	-	-	-	-	-	-	2	18	32	52
		F	-	-	-	-	-	-	-	3	20	57	80
I64	CVA, NOS	M	-	-	-	-	-	-	2	34	167	348	551
		F	-	-	-	-	-	-	-	19	156	716	891
I67	Other cerebrovascular diseases	M	-	-	-	-	-	-	1	5	14	53	73
		F	-	-	-	-	-	-	-	2	22	89	113
I69	Sequelae of cerebrovascular disease	M	-	-	-	-	-	-	-	1	24	38	63
		F	-	-	-	-	-	-	-	3	7	52	62
I70	Atherosclerosis	M	-	-	-	-	-	-	1	52	63	74	190
		F	-	-	-	-	-	-	-	12	42	96	150
I71	Aortic aneurysm and dissection	M	-	-	-	-	-	-	-	15	57	61	133
		F	-	-	-	-	-	-	-	8	31	46	85
I72	Other aneurysm	M	-	-	-	-	-	1	-	1	2	1	5
		F	-	-	-	-	-	-	-	3	-	-	3
I73	Other peripheral vascular diseases	M	-	-	-	-	-	-	-	4	8	28	40
		F	-	-	-	-	-	-	-	-	6	37	43
I74	Arterial embolism and thrombosis	M	-	-	-	-	-	-	-	1	2	2	5
		F	-	-	-	-	-	-	-	1	3	5	9
I77	Other disorders of arteries and arterioles	M	-	-	-	-	-	-	-	3	3	2	8
		F	-	-	-	-	-	-	1	-	8	5	14
I80	Phlebitis and thrombophlebitis	M	-	-	-	-	-	1	-	2	6	5	14
		F	-	-	-	-	-	-	1	3	3	9	16
I99	Other and unspecified disorders of circulatory system	M	-	-	-	-	-	-	-	-	3	1	4
		F	-	-	-	-	-	-	-	-	-	1	1
J06	Acute upper respiratory infections of multiple and unspecified sites	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	4	5
J11	Influenza, virus not identified	M	-	-	-	-	-	-	1	1	1	10	13
		F	-	-	-	-	-	-	-	2	4	21	27
J12	Viral pneumonia, NEC	M	-	1	-	-	-	-	-	-	3	2	6
		F	-	-	-	-	-	-	-	-	1	3	4
J13	Pneumonia due to Streptococcus pneumoniae	M	-	1	-	-	-	-	-	2	-	-	3
		F	-	-	-	-	-	-	-	1	1	1	3
J15	Bacterial pneumonia, NEC	M	-	-	-	-	-	-	1	2	3	3	9
		F	1	-	-	-	-	-	1	1	-	3	6
J18	Pneumonia, organism unspecified	M	1	-	-	-	-	-	9	27	132	403	572
		F	-	1	1	-	-	1	3	20	100	554	680
J20	Acute bronchitis	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	-	4	4
J22	Unspecified acute lower respiratory infection	M	-	-	-	-	-	-	-	-	2	2	4
		F	-	-	-	-	-	-	-	-	1	3	4
J42	Unspecified chronic bronchitis	M	-	-	-	-	-	-	-	1	-	4	5
		F	-	-	-	-	-	-	-	-	-	1	1
J43	Emphysema	M	-	-	-	-	-	-	-	10	30	23	63
		F	-	-	-	-	-	-	-	5	17	14	36
J44	Other chronic obstructive pulmonary disease	M	-	-	-	-	-	-	-	31	218	329	578
		F	-	-	-	-	-	-	1	27	193	285	506
J45	Asthma	M	-	-	-	-	-	-	-	4	2	5	11
		F	-	-	-	-	-	-	-	6	8	23	37
J47	Bronchiectasis	M	-	-	-	-	-	-	-	-	2	5	7
		F	-	-	-	-	-	-	-	-	6	13	19
J61	Pneumoconiosis due to asbestos and other mineral fibres	M	-	-	-	-	-	-	-	1	5	2	8
		F	-	-	-	-	-	-	-	-	-	-	-
J69	Aspiration pneumonia due to solids and liquids	M	-	-	-	-	-	-	1	10	15	40	66
		F	-	-	-	-	-	-	1	3	10	44	58
J80	Adult respiratory distress syndrome	M	-	-	-	-	-	-	1	2	4	1	8
		F	-	-	-	-	-	-	1	-	1	1	3
J81	Pulmonary oedema	M	-	-	-	-	-	-	1	-	-	1	2
		F	-	-	-	-	-	-	-	1	-	2	3
J84	Other interstitial pulmonary diseases	M	-	-	-	-	-	-	2	9	42	32	85
		F	-	-	-	-	-	-	-	6	23	20	49

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
J85	Abscess of lung and mediastinum	M	-	-	-	-	-	-	-	-	2	-	2
		F	-	-	-	-	-	-	-	-	4	1	5
J90	Pleural effusion, NEC	M	-	-	-	-	-	-	-	1	1	3	5
		F	-	-	-	-	-	-	-	-	1	4	5
J96	Respiratory failure, NEC	M	-	-	-	-	-	-	-	-	1	4	5
		F	-	-	-	-	-	-	-	-	-	8	8
J98	Other respiratory disorders	M	-	-	-	-	-	-	-	-	7	7	14
		F	-	-	-	-	1	-	-	3	2	14	20
K21	Gastro-esophageal reflux disease	M	-	-	-	-	-	-	-	-	1	4	5
		F	-	-	-	-	-	-	-	-	3	6	9
K22	Other diseases of esophagus	M	-	-	-	-	-	-	1	2	2	2	7
		F	-	-	-	-	-	-	-	-	2	6	8
K25	Gastric ulcer	M	-	-	-	-	-	-	1	2	7	5	15
		F	-	-	-	-	-	-	-	-	1	6	7
K26	Duodenal ulcer	M	-	-	-	-	-	-	1	2	5	2	10
		F	-	-	-	-	-	-	-	1	1	8	10
K27	Peptic ulcer	M	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	1	-	-	9	10
K29	Gastritis and duodenitis	M	-	-	-	-	-	-	-	1	3	1	5
		F	-	-	-	-	-	-	-	-	-	4	4
K31	Other diseases of stomach and duodenum	M	-	-	-	-	-	-	2	-	-	1	3
		F	-	-	-	-	-	-	-	-	-	3	3
K44	Diaphragmatic hernia	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	2	2	4
K46	Unspecified abdominal hernia	M	-	-	-	-	-	-	-	-	1	4	5
		F	-	-	-	-	-	-	-	1	-	3	4
K50	Crohn's disease	M	-	-	-	-	-	-	1	1	1	1	4
		F	-	-	-	-	-	-	-	-	2	1	3
K51	Ulcerative colitis	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	1	2	3	1	7
K52	Other noninfective gastroenteritis and colitis	M	-	-	-	-	-	-	-	1	6	2	9
		F	-	-	-	-	-	-	-	2	1	21	24
K55	Vascular disorders of intestine	M	-	-	-	-	-	-	-	6	14	21	41
		F	-	-	-	-	-	-	-	3	23	42	68
K56	Paralytic ileus and intestinal obstruction without hernia	M	-	-	-	-	-	-	-	2	8	20	30
		F	-	-	-	-	-	-	1	1	13	53	68
K57	Diverticular disease of intestine	M	-	-	-	-	-	-	-	3	6	3	12
		F	-	-	-	-	-	-	1	2	6	25	34
K63	Other diseases of intestine	M	-	-	-	-	-	-	-	1	5	5	11
		F	-	-	-	-	-	-	1	1	7	13	22
K65	Peritonitis	M	-	-	-	-	-	-	1	-	2	1	4
		F	-	-	-	-	-	-	-	1	2	7	10
K66	Other disorders of peritoneum	M	-	-	-	-	-	-	-	1	2	2	5
		F	-	-	-	-	-	-	-	-	1	3	4
K70	Alcoholic liver disease	M	-	-	-	-	-	-	8	65	34	5	112
		F	-	-	-	-	-	-	8	38	13	3	62
K72	Hepatic failure	M	-	-	-	-	-	-	2	9	14	4	29
		F	-	-	-	-	-	-	4	9	10	6	29
K74	Fibrosis and cirrhosis of liver	M	-	-	-	-	-	-	4	21	32	20	77
		F	-	-	-	-	-	-	2	18	13	14	47
K75	Other inflammatory liver diseases	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	4	1	2	7
K76	Other diseases of liver	M	-	-	-	-	-	-	-	6	6	1	13
		F	-	-	-	-	-	-	2	2	3	5	12
K80	Cholelithiasis	M	-	-	-	-	-	-	-	2	1	7	10
		F	-	-	-	-	-	-	-	-	3	6	9
K81	Cholecystitis	M	-	-	-	-	-	-	-	2	3	3	8
		F	-	-	-	-	-	-	-	-	3	9	12
K83	Other diseases of biliary tract	M	-	-	-	-	-	-	1	3	3	3	10
		F	-	-	-	-	-	-	-	-	2	4	6
K85	Acute pancreatitis	M	-	-	-	1	-	-	2	5	4	4	16
		F	-	-	-	-	-	-	-	1	6	7	14

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
K86	Other diseases of pancreas	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	-	-	-	1	1	-	2
K92	Other diseases of digestive system	M	-	-	-	-	-	-	1	12	16	41	70
		F	-	-	-	-	-	-	-	1	16	60	77
L03	Cellulitis	M	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	-	-	-	2	2
L89	Decubitus ulcer	M	-	-	-	-	-	-	-	1	1	2	4
		F	-	-	-	-	-	-	-	-	-	10	10
L98	Other disorders of skin and subcutaneous tissue, NEC	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	-	3	4	7
M06	Other rheumatoid arthritis	M	-	-	-	-	-	-	-	1	7	2	10
		F	-	-	-	-	-	-	-	2	10	11	23
M19	Other arthrosis	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	2	14	16
M31	Other necrotizing vasculopathies	M	-	-	-	-	-	-	-	3	3	1	7
		F	-	-	-	-	-	-	-	5	5	2	12
M32	Systemic lupus erythematosus	M	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	3	2	3	1	9
M33	Dermatopolymyositis	M	-	-	-	-	-	-	-	2	1	-	3
		F	-	-	-	-	-	-	-	1	-	1	2
M34	Systemic sclerosis	M	-	-	-	-	-	-	1	-	-	1	2
		F	-	-	-	-	-	-	-	5	6	1	13
M35	Other systemic involvement of connective tissue	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	3	1	7	11
M62	Other disorders of muscle	M	-	-	-	-	-	-	-	2	1	3	6
		F	-	-	-	-	-	-	1	-	1	1	3
M80	Osteoporosis with pathological fracture	M	-	-	-	-	-	-	-	-	1	5	6
		F	-	-	-	-	-	-	-	1	3	15	19
M81	Osteoporosis without pathological fracture	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	-	-	14	14
N05	Unspecified nephritic syndrome	M	-	-	-	-	-	-	1	1	3	1	6
		F	-	-	-	-	-	-	-	-	-	1	1
N12	Tubulo-interstitial nephritis, not specified as acute or chronic	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	1	8	9
N13	Obstructive and reflux uropathy	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	1	1	2	4
N17	Acute renal failure	M	-	-	-	-	-	-	-	-	7	9	16
		F	-	-	-	-	-	-	-	1	5	22	28
N18	Chronic renal failure	M	-	-	-	-	-	-	1	5	19	30	56
		F	-	-	-	-	-	-	1	4	13	41	59
N19	Unspecified renal failure	M	-	-	-	-	-	1	2	15	32	63	113
		F	-	-	-	-	-	-	1	3	36	78	118
N39	Other disorders of urinary system	M	-	-	-	-	-	-	-	2	9	26	37
		F	-	-	-	-	-	-	-	1	17	61	79
N40	Prostatic hypertrophy	M	-	-	-	-	-	-	-	1	4	4	9
		F	-	-	-	-	-	-	-	-	-	-	-
P01	Fetus and newborn affected by maternal complications of pregnancy	M	4	-	-	-	-	-	-	-	-	-	4
		F	3	-	-	-	-	-	-	-	-	-	3
P02	Fetus and newborn affected by comp. of placenta, cord and membranes	M	7	-	-	-	-	-	-	-	-	-	7
		F	3	-	-	-	-	-	-	-	-	-	3
P03	Fetus and newborn affected by other complications of labour and delivery	M	2	-	-	-	-	-	-	-	-	-	2
		F	2	1	-	-	-	-	-	-	-	-	3
P07	Disorders related to short gestation and low birth weight, NEC	M	15	-	-	-	-	-	-	-	-	-	15
		F	12	-	-	-	-	-	-	-	-	-	12
P21	Birth asphyxia	M	4	-	-	-	-	-	-	-	-	-	4
		F	1	-	-	-	-	-	-	-	-	-	1
P52	Intracranial nontraumatic hemorrhage of fetus and newborn	M	4	-	-	-	-	-	-	-	-	-	4
		F	1	-	-	-	-	-	-	-	-	-	1
Q21	Congenital malformations of cardiac septa	M	1	-	-	1	-	-	-	1	1	1	5
		F	-	-	-	-	-	-	2	2	1	-	5
Q24	Other congenital malformations of heart	M	4	-	-	-	-	-	1	-	-	-	5
		F	1	1	-	-	-	-	-	3	-	-	5

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
Q87	Other specified malformation syndromes affecting multiple systems	M	-	-	-	-	-	-	2	1	-	-	3
		F	1	-	-	-	-	-	-	-	1	-	2
Q90	Down's syndrome	M	1	-	-	-	-	-	-	1	-	-	2
		F	1	-	-	-	-	-	1	2	2	-	6
Q91	Edwards' syndrome and Patau's syndrome	M	-	-	-	-	-	-	-	-	-	-	-
		F	7	-	-	-	-	-	-	-	-	-	7
R09	Other symptoms and signs involving the circulatory and respiratory systems	M	1	-	-	-	-	-	-	-	1	4	6
		F	-	-	-	-	-	-	-	-	1	8	9
R53	Malaise and fatigue	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	1	10	11
R54	Senility	M	-	-	-	-	-	-	-	-	-	13	13
		F	-	-	-	-	-	-	-	-	-	24	24
R56	Convulsions, NOS	M	-	-	-	-	-	-	-	2	-	-	2
		F	-	1	-	-	-	-	-	1	1	-	3
R68	Other general symptoms and signs	M	-	-	-	-	-	-	-	-	-	4	4
		F	-	-	-	-	-	-	-	-	-	11	11
R95	Sudden infant death syndrome	M	5	-	-	-	-	-	-	-	-	-	5
		F	3	-	-	-	-	-	-	-	-	-	3
R99	Other ill-defined and unspecified causes of mortality	M	11	4	1	1	18	23	101	119	47	17	342
		F	12	4	5	1	3	3	45	34	21	18	146
V03	Pedestrian injured in collision with car, pick-up truck or van	M	-	1	1	-	1	4	3	4	3	4	21
		F	-	-	1	2	-	3	2	2	3	3	16
V04	Pedestrian injured in collision with heavy transport vehicle or bus	M	-	-	-	-	1	-	-	2	1	4	8
		F	-	-	-	-	-	-	-	3	2	-	5
V09	Pedestrian injured in other and unspecified transport accident	M	-	-	-	-	-	-	1	-	1	1	3
		F	-	-	-	1	-	-	-	1	1	4	7
V23	Motorcycle rider injured in collision with car, pick-up truck or van	M	-	-	-	-	1	1	1	2	1	1	7
		F	-	-	-	-	-	1	-	-	1	-	2
V27	Motorcycle rider injured in collision with fixed or stationary object	M	-	-	-	-	-	1	2	1	-	-	4
		F	-	-	-	-	-	-	1	-	-	-	1
V28	Motorcycle rider injured in noncollision transport accident	M	-	-	-	-	-	1	4	2	-	-	7
		F	-	-	-	-	-	-	-	1	-	-	1
V43	Car occupant injured in collision with car, pick-up truck	M	-	-	1	-	5	5	10	1	7	1	30
		F	-	-	-	1	2	1	7	8	5	4	28
V44	Car occupant injured in collision with heavy transport vehicle or bus	M	-	-	-	-	2	2	4	2	1	1	12
		F	-	-	-	-	1	1	1	3	-	-	6
V47	Car occupant injured in collision with fixed or stationary object	M	-	-	-	2	6	2	5	2	-	1	18
		F	-	-	-	1	2	-	-	1	1	-	5
V48	Car occupant injured in noncollision transport	M	-	-	-	-	6	9	10	4	1	-	30
		F	-	-	-	1	5	3	-	3	1	1	14
V49	Car occupant injured in other and unspecified transport accidents	M	-	-	1	-	2	1	2	-	-	1	7
		F	-	-	-	-	-	-	1	-	-	-	1
V53	Occupant of pick-up truck or van injured in collision with car, pick-up truck or van	M	-	-	-	-	2	-	2	3	-	-	7
		F	-	-	-	-	-	1	-	1	-	-	2
V54	Occupant of pick-up truck or van injured in coll. with heavy trans. vehicle or bus	M	-	-	-	-	-	1	10	7	1	-	19
		F	-	-	-	-	-	-	-	2	-	-	2
V57	Occupant of pick-up truck or van injured in coll. with fixed or stationary object	M	-	-	-	-	1	1	-	1	-	-	3
		F	-	-	-	-	-	-	2	-	-	-	2
V58	Occupant of pick-up truck or van injured in noncollision transport accident	M	-	-	-	2	1	4	12	4	1	-	24
		F	-	2	1	-	-	-	3	1	-	-	7
V86	Occupant of special A.T./other m.v. for off-road use, injured in trans. accident	M	-	-	-	2	-	-	2	2	-	-	6
		F	-	-	-	-	-	-	1	-	-	-	1
V87	Traffic of spec. type but victim's mode of transport unknown	M	-	-	-	-	4	3	-	3	2	-	12
		F	-	-	-	-	-	1	-	2	2	3	8
V89	Motor or nonmotor vehicle, type of veh unspecified	M	-	-	-	-	3	2	2	1	2	1	11
		F	1	-	-	-	-	-	2	1	-	1	5
V90	Accident to watercraft causing drowning and submersion	M	-	-	-	-	1	1	5	4	1	-	12
		F	-	-	-	-	-	-	-	-	-	-	-
W01	Fall on same level from slipping, tripping and stumbling	M	-	-	-	-	-	-	1	-	2	6	9
		F	-	-	-	-	-	-	-	-	2	7	9
W06	Fall involving bed	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	-	8	8

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
W10	Fall on and from stairs and steps	M	-	-	-	-	-	-	1	1	5	1	8
		F	-	-	-	-	-	-	1	-	1	2	4
W11	Fall on and from ladder	M	-	-	-	-	-	-	-	2	2	3	7
		F	-	-	-	-	-	-	-	-	-	-	-
W13	Fall from, out of or through building or structure	M	-	-	-	-	1	1	1	1	4	-	8
		F	-	-	-	-	-	-	-	1	-	-	1
W17	Other fall from one level to another	M	-	-	-	-	-	1	-	3	-	1	5
		F	-	-	-	-	-	-	1	1	1	2	5
W18	Other fall on same level	M	-	-	-	-	-	-	-	1	4	8	13
		F	-	-	-	-	-	-	-	-	2	5	7
W19	Unspecified fall	M	-	-	-	-	-	-	2	1	21	68	92
		F	-	-	-	-	-	-	-	6	24	104	134
W20	Struck by thrown, projected or falling object	M	-	-	-	-	-	-	4	3	2	1	10
		F	-	-	-	-	-	-	-	-	-	-	-
W31	Contact with other and unspecified machinery	M	-	-	-	-	-	-	1	3	1	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
W67	Drowning and submersion while in swimming-pool	M	-	2	1	-	-	1	-	-	1	-	5
		F	-	1	-	-	-	-	-	-	1	-	2
W69	Drowning and submersion while in natural water	M	-	-	1	-	-	2	2	4	-	-	9
		F	-	-	-	-	1	-	-	-	-	-	1
W70	Drowning and submersion following fall into natural water	M	-	-	-	-	1	-	4	-	1	-	6
		F	-	-	-	-	-	-	-	1	-	-	1
W74	Unspecified drowning and submersion	M	-	-	-	-	-	3	4	1	-	1	9
		F	-	-	-	-	-	-	1	2	-	-	3
W76	Other al hanging and strangulation	M	-	-	-	1	-	2	-	1	-	-	4
		F	-	-	-	-	-	-	1	-	-	-	1
W79	Inhalation and ingestion of food causing obstruction of respiratory tract	M	-	-	-	-	-	-	-	2	-	-	2
		F	-	-	-	-	-	-	-	-	-	3	3
W80	Inhalation and ingestion of other objects causing obstruction of respiratory tract	M	-	1	-	-	-	-	1	5	3	3	13
		F	-	-	-	-	-	-	-	1	7	8	16
W84	Unspecified threat to breathing	M	1	-	-	-	-	-	2	2	-	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
X00	Exposure to uncontrolled fire in building or structure	M	-	-	-	-	-	1	2	4	4	-	11
		F	-	-	-	-	-	-	1	2	-	1	4
X31	Exposure to excessive natural cold	M	-	-	-	-	-	-	1	-	2	-	3
		F	-	-	-	-	-	-	-	-	-	2	2
X36	Victim of avalanche, landslide and other earth movements	M	-	-	-	-	-	1	4	-	-	-	5
		F	-	-	-	-	-	-	1	-	-	-	1
X41	Acc. pois. by & exp. to antiepil., sed.-hypn. antiparkin. & psycho.drugs, NEC	M	-	-	-	-	-	2	4	5	-	-	11
		F	-	-	-	1	-	-	2	2	-	-	5
X42	Acc. poisoning by & exp. to narcotics and psychodysleptics (hallucin.), NEC	M	-	-	-	-	2	8	65	36	1	-	112
		F	-	-	-	-	1	2	17	12	-	-	32
X44	Acc. poisoning by & exp. to other and unspecified drugs, med. and biolo. sub	M	-	-	-	-	-	-	9	3	-	1	13
		F	-	-	-	-	-	1	6	3	-	-	10
X45	Accidental poisoning by and exposure to alcohol	M	-	-	-	-	1	1	6	1	1	-	10
		F	-	-	-	-	-	-	3	1	-	-	4
X47	Acc. poisoning by and exposure to other gases and vapours	M	-	-	-	-	1	-	3	1	1	-	6
		F	-	-	-	-	-	-	-	-	-	-	-
X59	Exposure to unspecified factor	M	-	-	-	1	-	-	1	2	-	2	6
		F	-	-	-	-	-	-	-	2	-	7	9
X61	Suicide by antiepil., sed-hypno, antiparkin. & psychotropic drugs, NEC	M	-	-	-	-	-	1	6	7	1	2	17
		F	-	-	-	-	-	-	6	6	2	1	15
X62	Suicide by narcotics and psycho. [hallucinogens], NEC	M	-	-	-	-	-	-	2	7	-	-	9
		F	-	-	-	-	-	-	3	2	-	2	7
X64	Suicide by other and unspecified drugs, med. and biological susbstances	M	-	-	-	-	-	1	1	8	6	-	16
		F	-	-	-	-	-	1	5	5	2	2	15
X67	Suicide by other gases and vapours	M	-	-	-	-	-	1	9	15	2	-	27
		F	-	-	-	-	-	1	1	3	-	-	5
X70	Suicide by hanging, strangulation and suffocation	M	-	-	-	2	12	12	64	27	4	2	123
		F	-	-	-	-	3	-	17	9	2	1	32
X71	Suicide by drowning and submersion	M	-	-	-	-	-	-	3	1	1	1	6
		F	-	-	-	-	-	-	-	2	1	1	4

Note: Only causes with five or more deaths are shown.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2003

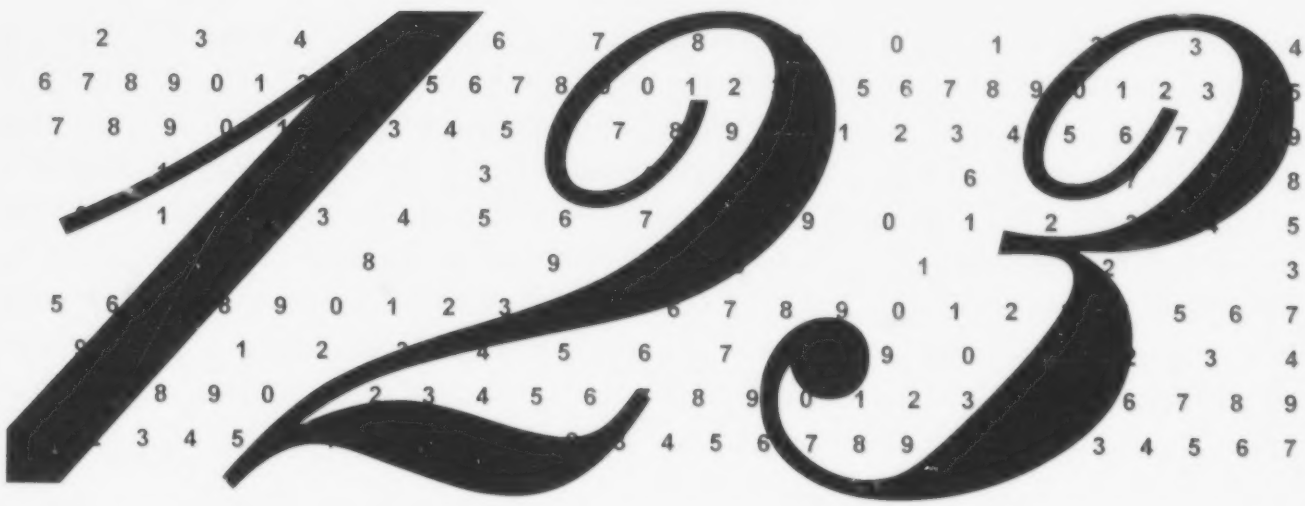
ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
X73	Suicide by rifle, shotgun and larger firearm discharge	M	-	-	-	-	1	1	2	7	2	-	13
		F	-	-	-	-	-	1	-	-	-	-	1
X74	Suicide by other and unspecified firearm discharge	M	-	-	-	-	2	3	18	17	12	3	55
		F	-	-	-	-	1	-	3	1	-	-	5
X78	Suicide by sharp object	M	-	-	-	-	-	-	5	4	2	1	12
		F	-	-	-	-	-	-	2	1	1	-	4
X80	Suicide by jumping from a high place	M	-	-	-	-	2	2	9	7	4	-	24
		F	-	-	-	-	-	1	2	1	-	1	5
X81	Suicide by jumping or lying before moving object	M	-	-	-	-	1	-	3	1	-	-	5
		F	-	-	-	-	-	-	2	1	-	-	3
X95	Assault by other and unspecified firearm discharge	M	-	-	-	-	-	1	2	3	1	-	7
		F	-	-	-	-	-	-	2	-	-	-	2
Y83	Surg. oper and othr. surg. proc. causing abno. react. or later comp., w/o misadv.	M	-	-	-	-	-	-	1	1	4	2	8
		F	-	-	-	-	-	-	-	2	3	2	7
Y84	O/ med. proc. as cause of abno. react. of pat., or of later comp., w/o misadv.	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	-	-	-	-	1	-	1
Y85	Sequelae of transport accidents	M	-	-	-	-	-	1	-	2	-	-	3
		F	-	-	-	1	-	-	1	1	-	-	3
Y86	Sequelae of other accidents	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	-	-	-	-	1	3	4
	Total Deaths	**M**	**91**	**18**	**13**	**17**	**89**	**144**	**790**	**2,731**	**5,089**	**5,791**	**14,773**
		F	**70**	**16**	**12**	**15**	**33**	**38**	**417**	**1,722**	**3,835**	**8,175**	**14,333**

Note: The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.
Non-residents and unknown gender are excluded.

Note: Only causes with five or more deaths are shown.

Appendix 3

Selected Health Status Indicators by Local Health Area, Health Service Delivery Area, and Health Authority, British Columbia, 1999–2003



Preamble to Appendix 3

This appendix consists of six tables:

Table A Summary Statistics by Local Health Area

Table B Mortality Statistics by Local Health Area

Table C Summary Statistics by Health Service Delivery Area

Table D Mortality Statistics by Health Service Delivery Area

Table E Summary Statistics by Health Authority

Table F Mortality Statistics by Health Authority.

Assignment of events to geographic areas was based on the usual residence of the mother for live births and stillbirths, and the usual residence of the decedent for deaths.

Tables A, C and E provide population estimates for the current year, and counts and rates for the five-year period ending with the current year for live births, stillbirths, deaths, infant deaths, low birth weight live births, cesarean live birth deliveries, pre-term live births, live births to teenage mothers, and live births to elderly gravida (mothers aged 35 or older).

Tables B, D and E provide the Standardized Mortality Ratios (SMR) with statistical significance, number of deaths (in the column labeled Death), trends in Age Standardized Mortality Rates based on three-year moving averages from 1986 to the current year (in the column labeled TR), Potential Years of Life Lost Index (PYLLI) with statistical significance, and the number of deaths under age 75 (in the column labeled D <75). ICD-10 codes for the causes of death in these tables are listed below.

Category	Cause of Death	ICD-10 Codes
01	All causes of death	A00-Y89
02	Malignant neoplasms	C00-C97
03	Malignant neoplasm of lung	C34
04	Endocrine nutritional and metabolic diseases	E00-E89
05	Diabetes mellitus	E10-E14
06	Diseases of the circulatory system	I00-I99
07	Ischemic heart diseases	I20-I25
08	Cerebrovascular diseases	I60-I69
09	Diseases of arteries, arterioles and capillaries	I70-I78
10	Diseases of the respiratory system	J00-J98
11	Influenza and pneumonia	J10-J18
12	Chronic Pulmonary Disease	J40-J44
13	Diseases of the digestive system	K00-K92
14	Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850
15	Accidental falls	W00-W19
16	Suicide	X60-X84, Y870
17	Alcohol-related deaths	see Glossary
18	Medically treatable diseases	see Glossary
19	Drug-induced deaths	see Glossary

Some cause of death categories are different from those used previously, so readers should avoid comparisons with tables in earlier publications.

Table A

SUMMARY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1999-2003

	Local Health Area	2003 Population	Live Birth Total	Live Birth Rate	Stillbirth Total	Stillbirth Rate[2]	Death Total	Death Rate	Infant Death Total	Infant Death Rate[1]
001	Fernie	15,487	607	7.88	1	1.64	376	4.88	1	1.65
002	Cranbrook	25,709	1,152	8.99	8	6.90	865	6.75	3	2.60
003	Kimberley	8,659	282	6.48	1	3.53	415	9.54	1	3.55
004	Windermere	9,479	328	7.19	2	6.06	230	5.04	2	6.10
005	Creston	12,716	673	10.56	-	-	654	10.26	1	1.49
006	Kootenay Lake	3,554	172	9.61	2	11.49	145	8.10	1	5.81
007	Nelson	24,624	1,079	8.75	10	9.18	918	7.45	6	5.56
009	Castlegar	13,413	501	7.41	6	11.83	547	8.09	-	-
010	Arrow Lakes	5,146	204	7.90	-	-	243	9.41	1	4.90
011	Trail	20,622	744	7.20	3	4.02	1,035	10.01	6	8.06
012	Grand Forks	9,026	314	6.89	3	9.46	451	9.90	3	9.55
013	Kettle Valley	3,579	129	7.11	1	7.69	124	6.83	-	-
014	Southern Okanagan	18,437	652	7.07	3	4.58	1,173	12.72	2	3.07
015	Penticton	40,332	1,508	7.49	11	7.24	2,322	11.54	4	2.65
016	Keremeos	4,868	208	8.63	1	4.78	263	10.91	2	9.62
017	Princeton	4,749	132	5.48	1	7.52	251	10.42	2	15.15
018	Golden	7,573	346	9.21	-	-	172	4.58	1	2.89
019	Revelstoke	8,371	379	8.95	2	5.25	272	6.42	1	2.64
020	Salmon Arm	31,985	1,117	7.02	9	7.99	1,423	8.95	5	4.48
021	Armstrong-Spallumcheen	9,981	391	7.94	4	10.13	359	7.29	-	-
022	Vernon	59,850	2,591	8.73	14	5.37	2,669	9.00	6	2.32
023	Central Okanagan	158,562	6,726	8.71	50	7.38	6,354	8.23	24	3.57
024	Kamloops	102,356	4,445	8.66	27	6.04	3,699	7.21	20	4.50
025	100 Mile House	14,358	560	7.64	5	8.85	551	7.52	3	5.36
026	North Thompson	5,030	235	9.34	2	8.44	129	5.13	2	8.51
027	Cariboo-Chilcotin	28,196	1,583	11.09	9	5.65	751	5.26	11	6.95
028	Quesnel	25,094	1,223	9.55	5	4.07	783	6.12	9	7.36
029	Lillooet	4,636	300	12.79	2	6.62	176	7.51	1	3.33
030	South Cariboo	7,676	285	7.46	-	-	325	8.50	1	3.51
031	Merritt	11,263	527	9.25	4	7.53	473	8.31	2	3.80
032	Hope	8,537	376	8.84	4	10.53	389	9.15	2	5.32
033	Chilliwack	73,855	4,070	11.21	28	6.83	2,942	8.10	19	4.67
034	Abbotsford	128,121	7,963	13.02	58	7.23	4,174	6.82	28	3.52
035	Langley	116,472	6,148	10.63	43	6.95	3,645	6.30	25	4.07
037	Delta	101,075	5,033	9.92	37	7.30	2,764	5.45	11	2.19
038	Richmond	174,201	7,768	9.08	59	7.54	4,105	4.80	28	3.60
040	New Westminster	59,426	3,205	11.13	24	7.43	2,478	8.61	6	1.87
041	Burnaby	205,261	10,295	10.22	82	7.90	6,708	6.66	36	3.50
042	Maple Ridge	87,798	4,321	10.49	27	6.21	2,499	6.06	13	3.01
043	Coquitlam	208,942	10,599	10.60	53	4.98	4,437	4.44	35	3.30
044	North Vancouver	135,657	6,491	9.69	43	6.58	4,007	5.98	18	2.77
045	West Vancouver-Bowen Is.	49,969	1,531	6.13	8	5.20	2,230	8.93	3	1.96
046	Sunshine Coast	27,056	963	7.20	11	11.29	1,159	8.66	2	2.08
047	Powell River	20,073	771	7.62	8	10.27	866	8.56	4	5.19
048	Howe Sound	30,543	1,961	13.04	16	8.09	539	3.58	6	3.06
049	Bella Coola Valley	3,322	251	14.75	4	15.69	103	6.05	3	11.95
050	Queen Charlotte	5,087	329	12.66	5	14.97	129	4.96	1	3.04
051	Snow Country	787	47	11.96	-	-	25	6.36	-	-
052	Prince Rupert	16,376	1,079	12.88	10	9.18	466	5.56	5	4.63
053	Upper Skeena	5,633	374	13.15	1	2.67	127	4.46	1	2.67
054	Smithers	17,461	1,204	13.48	18	14.73	401	4.49	6	4.98
055	Burns Lake	7,644	452	11.80	7	15.25	214	5.58	2	4.42
056	Nechako	17,052	1,154	13.33	14	11.99	472	5.45	5	4.33
057	Prince George	99,652	5,392	10.71	54	9.92	2,416	4.80	22	4.08
059	Peace River South	26,769	1,445	10.64	7	4.82	795	5.86	11	7.61
060	Peace River North	30,737	2,403	15.76	23	9.48	570	3.74	4	1.66
061	Greater Victoria	208,846	8,572	8.18	50	5.80	11,094	10.59	37	4.32
062	Sooke	55,621	2,808	10.27	19	6.72	1,484	5.43	9	3.21
063	Saanich	61,359	1,997	6.54	11	5.48	2,896	9.49	8	4.01
064	Gulf Islands	14,305	459	6.51	2	4.34	653	9.26	4	8.71
065	Cowichan	52,795	2,451	9.33	20	8.09	2,043	7.77	9	3.67
066	Lake Cowichan	6,230	229	7.36	-	-	209	6.71	2	8.73
067	Ladysmith	16,553	692	8.45	5	7.17	849	10.37	4	5.78
068	Nanaimo	94,115	4,009	8.61	24	5.95	3,880	8.33	20	4.99
069	Qualicum	40,728	1,173	5.90	7	5.93	2,151	10.83	3	2.56
070	Alberni	31,448	1,490	9.39	12	7.99	1,266	7.98	7	4.70
071	Courtenay	58,521	2,372	8.18	13	5.45	2,218	7.65	16	6.75
072	Campbell River	39,374	1,896	9.52	13	6.81	1,219	6.12	9	4.75
075	Mission	37,607	2,131	11.44	17	7.91	1,239	6.65	5	2.35
076	Agassiz-Harrison	8,259	407	10.18	2	4.89	310	7.76	1	2.46
077	Summerland	11,625	377	6.51	2	5.28	747	12.90	1	2.65
078	Enderby	7,285	296	8.15	3	10.03	320	8.81	5	16.89
080	Kitimat	11,527	579	9.70	5	8.56	244	4.09	2	3.45
081	Fort Nelson	6,177	457	14.79	3	6.52	79	2.56	1	2.19
083	Central Coast	1,683	120	13.84	-	-	72	8.31	5	41.67
084	Vancouver Island West	2,361	168	13.01	2	11.76	45	3.48	1	5.95
085	Vancouver Island North	13,695	840	11.94	8	9.43	320	4.55	13	15.48
087	Stikine	1,224	42	6.79	-	-	22	3.56	-	-
088	Terrace	21,940	1,386	12.43	12	8.58	568	5.09	5	3.61
092	Nisga'a	1,822	148	15.61	-	-	55	5.80	2	13.51
094	Telegraph Creek	624	47	15.09	-	-	27	8.67	1	21.28
161	Vancouver City Centre	97,157	3,744	7.95	41	10.83	3,258	6.91	8	2.14
162	Vancouver Downtown E.Side	51,679	2,280	8.86	24	10.42	2,675	10.39	16	7.02
163	Vancouver North East	97,433	5,673	11.64	54	9.43	2,922	6.00	32	5.64
164	Vancouver West Side	121,148	5,286	8.65	42	7.88	3,857	6.31	20	3.78
165	Vancouver Midtown	86,624	5,203	12.00	47	8.95	2,507	5.78	17	3.27
166	Vancouver South	123,993	6,317	10.12	40	6.29	4,047	6.48	21	3.32
201	Surrey	330,942	21,746	13.96	123	5.62	7,068	4.54	102	4.69
202	South Surrey/White Rock	79,043	2,375	6.37	14	5.86	3,989	10.70	8	3.37
	PROVINCIAL TOTAL	4,146,580	202,816	9.93	1,446	7.08	141,219	6.91	811	4.00

Please refer to footnotes on Table E

Table A

SUMMARY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1999-2003

		Low Birth Wt. Live Birth		Cesarean		Pre-term		Teenage Mother		Elderly Gravida	
	Local Health Area	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
001	Fernie	19	31.30	144	237.23	25	41.19	39	64.25	86	141.68
002	Cranbrook	35	30.38	239	207.47	61	52.95	115	99.83	132	114.58
003	Kimberley	13	46.10	60	212.77	7	24.82	19	67.38	45	159.57
004	Windermere	8	24.39	63	192.07	8	24.39	21	64.02	41	125.00
005	Creston	28	41.60	133	197.62	40	59.44	95	141.16	92	136.70
006	Kootenay Lake	13	75.58	38	220.93	10	58.14	7	40.70	30	174.42
007	Nelson	40	37.07	189	175.16	52	48.19	28	25.95	208	192.77
009	Castlegar	23	45.91	113	225.55	27	53.89	17	33.93	78	155.69
010	Arrow Lakes	19	93.14	48	235.29	21	102.94	7	34.31	26	127.45
011	Trail	49	65.86	208	279.57	64	86.02	31	41.67	123	165.32
012	Grand Forks	14	44.59	80	254.78	23	73.25	24	76.43	53	168.79
013	Kettle Valley	9	69.77	29	224.81	10	77.52	13	100.78	15	116.28
014	Southern Okanagan	32	49.08	127	194.79	47	72.09	34	52.15	89	136.50
015	Penticton	87	57.69	306	202.92	123	81.56	115	76.26	222	147.21
016	Keremeos	12	57.69	39	187.50	13	62.50	13	62.50	26	125.00
017	Princeton	10	75.76	20	151.52	12	90.91	7	53.03	16	121.21
018	Golden	9	26.01	98	283.24	14	40.46	28	80.92	32	92.49
019	Revelstoke	21	55.41	106	279.68	27	71.24	27	71.24	58	153.03
020	Salmon Arm	52	46.55	334	299.02	57	51.03	49	43.87	165	147.72
021	Armstrong-Spallumcheen	13	33.25	98	250.64	29	74.17	15	38.36	53	135.55
022	Vernon	148	57.12	685	264.38	168	64.84	125	48.24	386	148.98
023	Central Okanagan	319	47.43	1724	256.32	482	71.66	312	46.39	1146	170.38
024	Kamloops	241	54.22	1204	270.87	342	76.94	255	57.37	598	134.53
025	100 Mile House	40	71.43	141	251.79	44	78.57	44	78.57	72	128.57
026	North Thompson	8	34.04	57	242.55	8	34.04	20	85.11	39	165.96
027	Canboo-Chilcotin	103	65.07	575	363.23	135	85.28	162	102.34	161	101.71
028	Quesnel	66	53.97	330	269.83	84	68.68	95	77.68	132	107.93
029	Lillooet	10	33.33	81	270.00	15	50.00	39	130.00	37	123.33
030	South Cariboo	12	42.11	53	185.96	15	52.63	28	98.25	43	150.88
031	Merritt	30	56.93	128	242.88	44	83.49	47	89.18	71	134.72
032	Hope	13	34.57	93	247.34	33	87.77	49	130.32	36	95.74
033	Chilliwack	172	42.26	1009	247.91	258	63.39	298	73.22	508	124.82
034	Abbotsford	374	46.97	1890	237.35	467	58.65	357	44.83	855	107.37
035	Langley	269	43.75	1487	241.87	408	66.36	210	34.16	1056	171.76
037	Delta	227	45.10	1359	270.02	311	61.79	109	21.66	1115	221.54
038	Richmond	405	52.14	2117	272.53	483	62.18	95	12.23	2083	268.15
040	New Westminster	189	58.97	795	248.05	245	76.44	119	37.13	733	228.71
041	Burnaby	586	56.92	2515	244.29	788	76.54	236	22.92	2527	245.46
042	Maple Ridge	212	49.06	1149	265.91	306	70.82	145	33.56	790	182.83
043	Coquitlam	537	50.67	2717	256.34	755	71.23	236	22.27	2573	242.76
044	North Vancouver	273	42.06	1682	259.13	400	61.62	87	13.40	2107	324.60
045	West Vancouver-Bowen Is	72	47.03	411	268.45	105	68.58	13	8.49	633	413.46
046	Sunshine Coast	27	28.04	195	202.49	45	46.73	36	37.38	212	220.15
047	Powell River	23	29.83	236	306.10	39	50.58	47	60.96	116	150.45
048	Howe Sound	103	52.52	503	256.50	146	74.45	83	42.33	428	218.26
049	Bella Coola Valley	11	43.82	55	219.12	24	95.62	30	119.52	33	131.47
050	Queen Charlotte	12	36.47	80	243.16	23	69.91	22	66.87	52	158.05
051	Snow Country	3	63.83	12	255.32	2	42.55	2	42.55	2	42.55
052	Prince Rupert	42	38.92	223	206.67	83	76.92	129	119.56	126	116.77
053	Upper Skeena	19	50.80	69	184.49	23	61.50	55	147.06	40	106.95
054	Smithers	48	39.87	317	263.29	68	56.48	73	60.63	152	126.25
055	Burns Lake	7	15.49	107	236.73	15	33.19	44	97.35	37	81.86
056	Nechako	58	50.26	251	217.50	61	52.86	98	84.92	111	96.19
057	Prince George	276	51.19	1390	257.79	356	66.02	375	69.55	619	114.80
059	Peace River South	51	35.29	277	191.70	55	38.06	132	91.35	148	102.42
060	Peace River North	102	42.45	574	238.87	124	51.60	202	84.06	235	97.79
061	Greater Victoria	457	53.31	2363	275.66	606	70.70	314	36.63	1896	221.19
062	Sooke	142	50.57	768	273.50	219	77.99	116	41.31	474	168.80
063	Saanich	109	54.58	516	258.39	162	81.12	69	34.55	458	229.34
064	Gulf Islands	20	43.57	86	187.36	33	71.90	15	32.68	115	250.54
065	Cowichan	128	52.22	586	239.09	190	77.52	218	88.94	385	157.08
066	Lake Cowichan	7	30.57	60	262.01	12	52.40	22	96.07	29	126.64
067	Ladysmith	41	59.25	169	244.22	70	101.16	63	91.04	79	114.16
068	Nanaimo	196	48.89	1046	260.91	305	76.08	270	67.35	596	148.67
069	Qualicum	45	38.36	356	303.50	85	72.46	63	53.71	218	185.85
070	Alberni	54	36.24	311	208.72	87	58.39	162	108.72	185	124.16
071	Courtenay	134	56.49	533	224.70	183	77.15	167	70.40	435	183.39
072	Campbell River	96	50.63	524	276.37	134	70.68	140	73.84	229	120.78
075	Mission	102	47.86	486	228.06	142	66.64	132	61.94	325	152.51
076	Agassiz-Harrison	15	36.86	99	243.24	27	66.34	36	88.45	45	110.57
077	Summerland	17	45.09	90	238.73	32	84.88	11	29.18	67	177.72
078	Enderby	24	81.08	90	304.05	20	67.57	31	104.73	36	121.62
080	Kitimat	19	32.82	218	376.51	23	39.72	44	75.99	64	110.54
081	Fort Nelson	12	26.26	130	284.46	18	39.39	43	94.09	26	56.89
083	Central Coast	4	33.33	20	166.67	21	175.00	15	125.00	11	91.67
084	Vancouver Island West	8	47.62	33	196.43	10	59.52	20	119.05	21	125.00
085	Vancouver Island North	41	48.81	183	217.86	67	79.76	119	141.67	94	111.90
087	Stikine	2	47.62	12	285.71	5	119.05	8	190.48	6	142.86
088	Terrace	59	42.57	376	271.28	111	80.09	125	90.19	156	112.55
092	Nisga'a	8	54.05	41	277.03	19	128.38	29	195.95	13	87.84
094	Telegraph Creek	5	106.38	4	85.11	7	148.94	7	148.94	11	234.04
161	Vancouver City Centre	173	46.21	997	266.29	220	58.76	23	6.14	1039	277.51
162	Vancouver Downtown E.Side	132	57.89	562	246.49	212	92.98	92	40.35	591	259.21
163	Vancouver North East	318	56.05	1386	244.32	393	69.28	110	19.39	1387	244.49
164	Vancouver West Side	255	48.24	1387	262.39	373	70.56	22	4.16	1973	373.25
165	Vancouver Midtown	296	56.89	1328	255.24	379	72.84	126	24.22	1521	292.33
166	Vancouver South	382	60.47	1563	247.43	465	73.61	115	18.20	1644	260.25
201	Surrey	1268	58.31	5704	262.30	1498	68.89	721	33.16	3236	148.81
202	South Surrey/White Rock	105	44.21	701	295.16	177	74.53	32	13.47	676	284.63
	PROVINCIAL TOTAL	**10,272**	**50.65**	**51,699**	**254.91**	**13,940**	**68.73**	**8,594**	**42.37**	**39,648**	**195.49**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1999-2003

		01 All Causes of Death						02 Malignant Neoplasms						03 Malignant Neoplasm of Lung						04 End/Nut/Met. Diseases					
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75
001	Fernie	0.95		376	↘	0.87	177	0.95		109		0.86	64	1.14		34	↗	0.94	20	1.44		20		0.86	12
002	Cranbrook	1.07		865	↘	0.92	371	1.02		238		0.92	137	1.26		77	↗	1.02	48	1.49	*	43	↗	0.76	18
003	Kimberley	1.04		415	↘	0.93	149	1.15		127		1.08	64	0.98		28		1.25	17	1.11		16		0.90	6
004	Windermere	0.86	*	230		1.01	116	0.86		70		0.89	44	0.96		21		0.90	14	0.94		9		0.20	* 3
005	Creston	0.97		654	↘	0.99	218	1.02		190		0.93	95	0.92		45		0.95	31	1.02		25		0.72	10
006	Kootenay Lake	0.95		145	↘	1.41	67	1.01		43		1.19	24	1.08		12		1.47	9	0.37		2		0.10	* 1
007	Nelson	1.03		918	↘	1.07	370	1.01		248	↘	1.05	140	0.98		62	↗	0.86	40	1.11		35	↗	1.46	20
009	Castlegar	1.03		547		1.08	220	0.97		135	↘	0.91	65	0.92		33		0.91	19	1.40		25		0.78	10
010	Arrow Lakes	1.08		243		1.31	90	1.10		69		1.26	39	1.35		22		1.19	13	0.97		8		1.15	3
011	Trail	1.05	*	1,035	↘	1.17	342	1.00		250	↘	0.98	122	1.00		64	↘	1.21	40	1.25		42	↗	1.60	14
012	Grand Forks	1.10		451	↘	1.10	183	1.07		131		0.99	66	1.08		35		1.41	25	1.28		20		0.93	5
013	Kettle Valley	1.05		124	↘	0.97	70	1.28		54	↗	1.37	40	0.96		11		1.33	11	0.60		3		0.27	* 1
014	Southern Okanagan	1.05		1,173	↘	1.15	415	1.03		348		1.14	170	0.97		87		1.05	45	1.31		58		1.49	18
015	Penticton	0.91		2,322	↘	1.07	736	1.03		647		1.05	296	1.05		167		1.01	83	0.85		73	↗	1.17	27
016	Keremeos	0.97		263		1.63	* 127	1.02		82		1.34	51	1.46		31		1.79	20	0.69		7		1.31	4
017	Princeton	0.98	*	251		1.46	* 118	1.10		72		1.23	44	1.53	*	27	↗	1.64	19	0.63		5		0.39	* 2
018	Golden	0.95		172	↘	1.04	92	1.08		55	↗	1.01	35	1.50		20	↗	1.15	12	0.82		5		-	-
019	Revelstoke	1.16		272		1.15	127	1.09		76		0.91	42	1.25		23		0.91	13	0.70		6		0.75	4
020	Salmon Arm	0.99		1,423	↘	1.12	579	1.02		421		1.23	* 239	0.98		106		1.08	63	0.96		50		1.09	17
021	Armstrong-Spallumcheen	1.12		359	↘	1.12	148	1.05		110	↗	0.97	56	1.18		32	↗	1.31	18	1.04		14	↗	1.17	6
022	Vernon	0.99	*	2,669	↘	1.08	990	1.03		731		1.10	381	1.09		199	↗	1.27	120	1.09		100	↗	1.36	36
023	Central Okanagan	0.95	*	6,354	↘	0.93	* 2,124	0.95	*	1,771	↘	1.00	900	0.96		461		0.99	264	0.87	*	213		0.90	75
024	Kamloops	1.05	*	3,699	↘	1.25	* 1,715	1.09	*	1,028	↘	1.11	608	1.13	*	281	↘	1.08	180	1.28	*	146	↗	1.27	57
025	100 Mile House	0.94	*	551	↘	1.37	* 301	1.03		154	↘	1.15	98	1.23		50		1.42	31	1.11		19		1.76	14
026	North Thompson	1.15		129		1.36	80	1.07		39	↘	1.27	26	1.34		13		1.64	10	0.95		4		0.92	2
027	Cariboo-Chilcotin	1.17	*	751	↘	1.31	* 425	0.99		193	↘	1.15	134	0.97		50	↘	1.07	37	1.36		31	↗	0.61	13
028	Quesnel	1.08	*	783	↘	1.27	* 422	1.18	*	235	↗	1.01	138	1.35	*	71		1.07	48	1.27		30		1.02	16
029	Lillooet	1.16	*	176	↘	1.43	* 92	1.26		47		1.34	28	1.32		13		0.72	7	0.88		4		0.25	* 1
030	South Cariboo	1.17	*	325	↘	1.50	* 182	0.95		77	↘	0.90	51	1.28		28		1.47	22	1.35		13		2.83	6
031	Merritt	1.37	*	473		1.78	* 261	1.23	*	122		1.19	75	1.00		26	↘	0.97	17	1.06		13		1.39	8
032	Hope	1.22	*	389		1.43	* 186	0.96		95		1.03	59	1.11		29	↘	1.34	23	1.94	*	24		1.84	12
033	Chilliwack	1.38	*	2,942	↘	1.16	* 1,156	1.08	*	835		1.16	* 449	1.03		206	↘	1.42	* 137	1.13		113	↗	1.40	51
034	Abbotsford	1.14		4,174		1.03	1,518	1.01		1,157	↗	1.06	596	1.01		296	↗	1.12	181	1.10		167	↗	1.38	69
035	Langley	1.06		3,645	↘	0.91	* 1,422	1.06	*	1,081	↘	1.11	614	1.07		281	↘	1.15	173	1.08		138		0.85	51
037	Delta	1.01	*	2,764	↘	0.72	* 1,022	0.93	*	772	↘	0.87	* 423	0.75	*	163	↘	0.69	* 95	0.79	*	81		0.81	37
038	Richmond	0.96	*	4,105	↘	0.64	* 1,553	0.85	*	1,250	↘	0.83	* 699	0.92		348	↘	0.82	* 202	0.77	*	142	↗	0.62	* 51
040	New Westminster	0.78	*	2,478	↘	1.12	* 920	1.13	*	646	↘	1.08	324	1.19	*	169	↘	1.30	104	1.18		92	↗	1.21	29
041	Burnaby	1.12	*	6,708	↘	0.79	* 2,302	0.95	*	1,796	↘	0.88	* 910	0.96		464	↘	0.88	268	1.02		254	↗	0.90	95
042	Maple Ridge	0.95	*	2,499	↘	1.04	1,112	1.17	*	723		1.14	* 430	1.35	*	215		1.45	* 136	1.10		84		1.01	40
043	Coquitlam	1.15	*	4,437	↘	0.78	* 2,034	1.00		1,336	↘	0.97	848	1.04		359	↘	0.96	239	1.05		170	↗	0.79	67
044	North Vancouver	0.95	*	4,007	↘	0.70	* 1,421	0.93	*	1,115	↘	0.85	* 605	0.87	*	268	↘	0.77	* 158	1.02		153	↗	0.76	56
045	West Vancouver-Bowen Is.	0.94	*	2,230	↘	0.59	* 539	0.79	*	580	↘	0.70	* 249	0.57	*	105	↘	0.33	* 46	0.60	*	59		0.64	14
046	Sunshine Coast	0.81		1,159	↘	1.03	463	1.06		354	↘	1.01	184	1.04		91		1.15	60	0.61	*	26		0.88	12
047	Powell River	0.99		866	↘	1.01	341	1.20	*	282		1.27	* 150	1.31	*	80		1.42	48	1.06		32		0.80	9
048	Howe Sound	1.03		539		0.99	308	0.84		126		0.73	* 85	0.93		36		0.73	25	1.23		21		0.85	14
049	Bella Coola Valley	1.06	*	103		2.44	* 70	1.06		23		1.05	15	0.35		2		0.16	* 1	1.20		3		3.93	2
050	Queen Charlotte	1.44		129	↘	1.32	97	1.04		33	↘	1.12	27	0.85		7		0.83	6	1.07		4		0.85	3
051	Snow Country	1.18	*	25		2.73	* 24	1.49		6		1.52	6	-		-		-	-	2.52		1		0.46	1
052	Prince Rupert	2.17	*	466	↘	1.52	* 257	1.07		111	↘	1.06	69	1.04		28	↘	1.07	17	1.44		18		1.31	10
053	Upper Skeena	1.29		127		1.40	* 75	1.17		37		1.00	21	1.09		9		0.94	6	0.81		3		1.66	1
054	Smithers	1.17	*	401	↘	1.08	220	1.08		109		0.92	73	1.10		29		1.13	24	0.85		10		1.61	7
055	Burns Lake	1.18		214	↘	1.28	106	1.02		60		0.80	32	0.77		12		0.88	8	0.72		5	↘	0.62	2
056	Nechako	1.09	*	472	↘	1.50	* 296	1.33	*	143		1.56	* 98	1.06		30		0.88	22	1.98	*	25	↗	1.53	14
057	Prince George	1.31	*	2,416	↘	1.13	* 1,382	1.20	*	713		1.07	480	1.38	*	216		1.16	152	1.45	*	98		0.83	47
059	Peace River South	1.24	*	795		1.26	* 397	1.05		195		1.10	121	1.28		62	↗	1.24	38	1.73	*	39	↗	1.74	22
060	Peace River North	1.23		570	↘	0.96	323	0.97		156		0.82	104	1.11		47		1.02	36	1.01		19	↗	0.98	11
061	Greater Victoria	1.04	*	11,094	↘	1.06	* 3,059	1.06	*	2,833		1.10	* 1,220	1.01		666		1.04	319	0.87	*	332	↗	1.23	113
062	Sooke	1.02		1,484	↘	0.90	* 662	1.09		460	↘	1.06	275	1.12		123		1.01	75	0.85		43		0.68	23
063	Saanich	1.03	*	2,896	↘	0.80	* 854	0.97		896	↘	1.02	427	0.74	*	177		0.75	* 91	0.72	*	88		0.57	* 24
064	Gulf Islands	0.86	*	653	↘	0.95	213	0.93		210		0.89	93	0.76		45		0.48	* 13	0.38	*	11		0.30	* 3
065	Cowichan	0.82		2,043	↘	1.11	* 834	1.06		612	↘	1.19	* 340	1.13		170		1.19	99	0.82		60		0.71	23
066	Lake Cowichan	1.00		209	↘	1.34	* 122	1.11		69	↘	1.43	50	1.39		23		2.08	19	0.66		5		0.95	4
067	Ladysmith	1.00	*	849	↘	1.17	318	1.14		244		1.18	131	1.01		57		1.43	33	0.84		23	↗	0.35	* 6
068	Nanaimo	1.12	*	3,880	↘	1.16	* 1,512	1.01		1,034	↘	1.07	553	1.04		274	↘	1.10	166	0.94		123		1.00	45
069	Qualicum	1.06	*	2,151	↘	0.98	780	1.02		672		1.12	349	0.91		159	↘	1.04	88	0.92		77	↗	1.04	32
070	Alberni	0.94	*	1,266	↘	1.29	* 586	1.16	*	360		1.08	204	1.23	*	101		1.02	60	1.48	*	57	↗	1.44	24
071	Courtenay	1.17		2,218	↘	1.07	911	1.08	*	675	↘	1.10	385	1.13		185	↘	1.23	120	1.03		80		1.06	35
072	Campbell River	1.03	*	1,219	↘	1.14	* 595	1.14	*	371		1.17	222	1.49	*	127	↗	1.58	* 85	1.30		51	↗	1.02	17
075	Mission	1.09	*	1,239	↘	1.16	* 586	1.16	*	343	↘	1.14	206	1.20		92	↘	1.12	56	1.45	*	53	↗	1.73	29
076	Agassiz-Harrison	1.19	*	310		1.42	* 161	1.18		92	↗	1.36	61	1.30		27		1.68	21	1.36		13	↗	0.83	8
077	Summerland	1.17		747	↘	0.92	174	0.97		186		1.03	78	0.85		42		0.87	18	0.88		23		0.67	5
078	Enderby	1.03		320	↘	1.40	* 140	1.07		90		1.20	50	1.18		26	↗	1.08	15	0.66		7		0.62	4
080	Kitimat	1.08		244	↘	1.00	159	0.97		69	↘	0.92	55	1.24		24		1.12	19	1.03		8		1.20	5
081	Fort Nelson	1.10		79	↘	1.12	64	1.05		20	↘	1.02	19	0.82		4		1.06	3	2.94	*	6		1.22	3
083	Central Coast	1.22	*	72		3.09	* 51	1.10		11	↘	1.12	6	0.37		1		0.93	1	3.66		4		2.88	2
084	Vancouver Island West	2.30		45		1.23	39	1.19		14		0.95	13	0.97		3		0.51	3	-		-		-	-
085	Vancouver Island North	2.30	*	320	↘	1.60	* 220	1.23		92	↘	1.36	72	1.10		22		1.00	19	1.09		9	↗	0.46	4
087	Stikine	1.18		22		1.34	17	0.47		4		0.27	* 4	1.73		4		1.09	4	2.05		2		2.31	2
088	Terrace	1.33	*	568	↘	1.27	* 329	1.11		149	↘	1.11	104	1.07		38		1.25	29	1.55		24	↗	1.85	10
092	Nisga'a	0.80	*	55		2.31	* 39	0.99		10		1.58	9	1.12		3		1.71	3	3.45		4		2.41	2
094	Telegraph Creek	1.27	*	27	↗	3.44	* 18	0.57		2		0.08	* 1	-		-		-	-	-		-		-	-
161	Vancouver City Centre	1.27	*	3,258	↘	1.12	* 1,352	0.97		744	↘	0.89	382	0.96		183		0.91	99	0.88		92	↗	1.20	39
162	Van. Downtown East Side	1.65	*	2,675	↘	2.70	* 1,639	1.23	*	621	↘	1.37	* 361	1.50	*	195	↘	1.51	* 118	1.32	*	88		2.12	* 45
163	Vancouver North East	2.03	*	2,922	↘	0.95	1,186	0.94		818	↘	0.94	450	1.05		237	↘	0.97	138	1.18		130	↗	0.79	44
164	Vancouver West Side	1.08	*	3,857	↘	0.64	* 1,023	0.85	*	986	↘	0.77	* 438	0.69	*	197	↘	0.67	* 98	0.72	*	117		0.58	31
165	Vancouver Midtown	1.42		2,507	↘	0.88	* 978	0.87	*	595	↘	0.90	329	0.95		166	↘	0.85	93	1.08		95		0.71	30
166	Vancouver South	0.94	*	4,047	↘	0.78	* 1,325	0.81	*	998	↘	0.78	* 492	0.82	*	254		0.66	* 131	1.00		163	↗	1.05	55
201	Surrey	0.83		7,068	↘	1.02	3,561	0.95	*	1,961	↘	0.95	1,205	0.88	*	477	↘	0.91	317	1.20	*	297	↗	1.16	145
202	South Surrey/White Rock	1.00	*	3,989	↘	0.78	* 998	0.96		1,104	↘	0.95	456	0.83	*	242	↘	0.83	117	0.65	*	103		0.68	32
	PROVINCIAL TOTAL	**1.00**		**141,219**	↘	**1.00**	**55,426**	**1.00**		**38,959**	↘	**1.00**	**20,989**	**1.00**		**10,028**	↘	**1.00**	**5,974**	**1.00**		**5,008**	↗	**1.00**	**1,980**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1999-2003

		05 Diabetes Mellitus						06 Diseases of the Circulatory System						07 Ischemic Heart Diseases						08 Cerebrovascular Diseases					
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75
001	Fernie	1.49		16		1.10	9	0.92		118	↘	0.86	38	0.95		62	↘	0.94	22	0.74		21		0.52	4
002	Cranbrook	1.24		28	↗	0.82	12	1.08		296	↘	0.68	86	1.10		151	↘	0.99	50	1.00		62	↘	0.84	12
003	Kimberley	0.98		11		1.23	5	0.94		134	↘	0.97	38	0.88		62	↘	0.79	20	0.76		25	↘	0.39	* 5
004	Windermere	1.06		8	↗	0.24	* 2	0.79		69	↘	0.94	28	0.78		35	↘	1.40	20	0.84		16		0.13	* 3
005	Creston	0.78		15		0.63	6	1.01		248	↘	0.90	53	0.94		115	↘	0.83	33	0.99		56	↘	1.55	10
006	Kootenay Lake	0.23		1		-	-	0.90		49		0.82	15	1.00		27		0.93	9	1.14		14	↗	0.41	2
007	Nelson	1.10		27	↗	1.22	15	1.05		326	↘	0.83	83	1.24	*	191	↘	0.87	48	0.79		56	↘	0.97	17
009	Castlegar	1.79	*	25		1.15	10	1.17	*	208	↘	1.38	70	1.24	*	109	↘	1.09	41	1.01		41	↘	1.56	9
010	Arrow Lakes	0.62		4		0.78	2	0.94		78	↘	0.98	19	0.95		39	↘	0.87	11	0.47	*	9		2.16	4
011	Trail	1.37		36	↗	2.07	12	1.19	*	405	↘	1.29	94	1.25	*	209	↘	1.40	58	0.93		74	↘	0.70	11
012	Grand Forks	1.38		17		0.48	3	1.07		164	↘	1.21	60	1.14		87	↘	1.26	34	0.84		29	↘	1.08	10
013	Kettle Valley	0.51		2		-	-	0.57	*	26	↘	0.48	* 9	0.51	*	12	↘	0.14	* 3	0.30	*	3		1.34	2
014	Southern Okanagan	1.31		46		1.69	15	0.92		410	↘	1.14	106	0.88		196	↘	1.00	55	0.87		88	↘	1.21	21
015	Penticton	0.86		58	↗	0.98	22	0.93	*	826	↘	1.15	181	0.90	*	394	↘	1.22	99	0.94		195		1.04	32
016	Keremeos	0.62		5		1.18	3	0.99		99		0.96	27	0.87		44		0.63	10	0.89		20		0.92	6
017	Princeton	0.80		5		0.54	2	1.22		91	↘	1.74	* 38	1.18		45	↘	1.91	24	1.23		20		2.41	7
018	Golden	1.06		5		-	-	1.04		58	↘	0.92	21	0.75		21		0.84	10	1.15		14		1.29	4
019	Revelstoke	0.75		5		0.35	* 3	1.28	*	103		1.98	* 39	0.79		32	↘	1.10	14	1.33		24		2.05	5
020	Salmon Arm	1.07		44		1.08	16	1.02		519	↘	1.09	151	0.85	*	216	↘	0.99	70	1.09		125		1.23	28
021	Armstrong-Spallumcheen	1.14		12	↗	1.09	5	0.98		130		1.41	42	0.94		62	↘	1.07	23	1.15		35		2.57	9
022	Vernon	1.14		82	↗	1.00	28	1.03		935	↘	1.05	231	0.99		444	↘	0.97	120	1.04		217		1.02	43
023	Central Okanagan	0.81	*	156		0.71	* 52	0.92	*	2,246	↘	0.84	* 470	0.81	*	973	↘	0.81	* 250	0.86	*	484	↘	0.78	78
024	Kamloops	1.36	*	122	↗	1.33	47	1.11	*	1,189	↘	1.18	* 380	1.09	*	590	↘	1.29	* 231	0.89		213	↘	0.65	* 46
025	100 Mile House	1.11		15		1.89	11	1.27	*	194		1.57	* 85	1.35	*	107		1.46	48	1.27		41		2.66	* 20
026	North Thompson	0.91		3		1.38	2	1.09		41		1.16	21	0.93		18		1.02	10	0.75		6		1.23	2
027	Cariboo-Chilcotin	1.14		20	↗	0.57	8	1.19	*	241	↘	1.07	90	0.94		97	↘	0.76	41	1.36	*	60		1.85	23
028	Quesnel	1.46		27		0.96	13	1.03		223	↘	1.22	92	0.99		109	↘	1.37	53	0.97		46	↘	1.13	16
029	Lillooet	1.13		4		0.39	1	1.21		51		1.17	22	0.70		15		0.52	6	1.83	*	17		3.32	10
030	South Cariboo	1.58		12		2.56	5	1.14		101	↘	1.67	* 46	0.99		45	↘	1.53	21	0.88		17		1.17	6
031	Merritt	1.15		11		2.04	7	1.45	*	168	↘	1.91	* 68	1.42	*	83	↘	1.98	* 36	1.87	*	48		3.53	* 22
032	Hope	1.94	*	19		2.66	12	1.11		132	↘	1.45	46	1.07		64	↘	1.64	24	0.79		21	↘	0.72	8
033	Chilliwack	1.31	*	103	↗	1.84	* 46	1.10	*	1,076	↘	1.18	254	1.24	*	603	↘	1.16	151	1.02		229	↘	1.00	39
034	Abbotsford	1.17		138	↗	1.48	56	1.00		1,516	↘	1.02	318	1.06		795	↘	0.97	173	0.86	*	303	↘	0.92	45
035	Langley	1.10		110		0.90	38	1.01		1,240	↘	0.90	307	1.08		653	↘	0.97	189	1.06		295		0.70	* 44
037	Delta	0.79		63		0.69	29	1.05		1,009	↘	0.74	* 248	1.10	*	527	↘	0.78	* 146	1.04		225	↘	0.63	* 43
038	Richmond	0.79	*	114	↗	0.59	* 42	0.79	*	1,417	↘	0.69	* 368	0.82	*	723	↘	0.65	* 198	0.86	*	351	↘	0.91	75
040	New Westminster	1.13		68	↗	1.38	22	1.17	*	936	↘	1.37	* 217	1.25	*	479	↘	1.58	* 141	1.24	*	234		0.96	31
041	Burnaby	1.02		197		0.94	78	1.00		2,469	↘	0.79	* 510	1.12	*	1,357	↘	0.87	* 314	0.90	*	514	↘	0.69	* 77
042	Maple Ridge	1.14		68		1.21	33	1.28	*	927	↘	1.22	* 267	1.31	*	469	↘	1.15	148	1.22	*	200	↘	1.19	37
043	Coquitlam	1.10		137	↗	0.96	54	0.98		1,451	↘	0.85	* 464	0.96		710	↘	0.93	270	1.05		350	↘	0.82	86
044	North Vancouver	1.02		119	↗	0.59	* 38	1.00		1,440	↘	0.70	* 321	0.99		708	↘	0.82	* 190	1.10		363	↘	0.59	* 61
045	West Vancouver-Bowen Is.	0.62	*	48	↘	0.57	* 12	0.82	*	840	↘	0.47	* 109	0.78	*	391	↘	0.37	* 58	1.01		242	↘	0.58	* 25
046	Sunshine Coast	0.69		23	↗	1.04	10	1.00		417	↘	1.08	113	0.89		184	↘	1.00	56	1.22	*	115		0.88	19
047	Powell River	0.85		20		0.98	6	1.04		308	↘	1.03	87	0.89		131	↘	1.29	52	1.20		81	↘	0.78	17
048	Howe Sound	1.38		18		1.22	12	1.09		160		0.90	61	0.93		70	↘	0.78	25	1.16		36		0.84	12
049	Bella Coola Valley	0.51		1		1.35	1	0.86		19	↘	1.57	11	0.71		8	↘	1.00	5	1.27		6		1.18	2
050	Queen Charlotte	0.35		1		0.36	1	1.01		34		1.10	19	0.82		14	↘	1.00	10	0.82		6		1.00	3
051	Snow Country	3.29		1		0.70	1	2.46		7		2.49	6	0.63		1		1.04	1	3.93		2		4.32	2
052	Prince Rupert	1.35		13		0.67	6	1.21	*	138	↘	1.60	* 57	1.01		58	↘	1.19	24	1.35		34		2.44	13
053	Upper Skeena	0.70		2		-	-	0.93		31		1.44	16	0.70		12		1.36	8	0.85		6		0.20	* 2
054	Smithers	0.66		6		1.09	4	1.30	*	134		1.06	53	1.09		57	↘	1.26	30	1.12		25		0.75	7
055	Burns Lake	0.73		4		0.96	2	0.87		55	↘	0.82	14	0.62	*	20	↘	0.39	* 6	0.66		9		1.40	3
056	Nechako	2.35	*	23	↗	2.04	12	1.12		125	↘	1.16	56	0.96		55	↘	1.00	30	1.08		26		1.32	10
057	Prince George	1.48	*	77		0.96	39	1.13	*	559	↘	1.17	293	1.01		302	↘	1.15	158	1.24	*	155		1.15	59
059	Peace River South	1.83	*	32	↗	1.57	18	1.30	*	271	↘	1.48	* 101	1.53	*	161	↘	1.83	* 72	0.96		44	↘	0.41	* 6
060	Peace River North	0.97		14		1.55	9	1.11		182	↘	1.15	79	1.17		98	↘	1.47	53	0.71		25	↘	0.66	8
061	Greater Victoria	0.84	*	250	↗	1.15	82	0.99		4,055	↘	0.99	654	0.95	*	1,853	↘	1.03	388	1.04		1,017	↘	1.05	128
062	Sooke	0.71		28		0.51	* 15	1.01		476	↘	0.88	136	0.91		216	↘	1.04	88	1.18		124		0.87	20
063	Saanich	0.76	*	73		0.64	19	0.80	*	992	↘	0.65	* 188	0.71	*	434	↘	0.52	* 98	0.91		259	↘	0.74	34
064	Gulf Islands	0.35	*	8		0.32	* 2	0.75	*	214	↘	0.80	49	0.70	*	100	↘	0.72	30	0.83		54	↘	1.12	9
065	Cowichan	0.78		45		0.72	15	0.97		692	↘	1.10	186	1.00		357	↘	1.19	111	0.86		139	↘	1.00	27
066	Lake Cowichan	0.34		2		0.09	* 1	1.00		70	↘	1.65	28	0.84		30	↘	0.89	11	1.04		16	↘	1.88	5
067	Ladysmith	0.83		18	↗	0.42	* 5	1.15	*	312	↘	1.09	81	1.07		144	↘	0.90	38	1.17		72		0.88	14
068	Nanaimo	0.93		96		0.99	30	1.12	*	1,441	↘	1.20	* 374	1.28	*	817	↘	1.49	* 232	1.01		299	↘	0.91	57
069	Qualicum	0.93		62	↗	1.06	27	0.94		770	↘	1.03	206	0.93		381	↘	1.12	119	0.87		162	↘	0.93	34
070	Alberni	1.39		42	↗	1.49	17	1.21	*	446	↘	1.43	* 158	1.16	*	215	↘	1.36	* 95	1.15		95	↘	1.67	24
071	Courtenay	1.02		62		0.66	* 27	0.95		709	↘	0.98	197	0.92		344	↘	0.95	106	1.09		183		1.43	50
072	Campbell River	1.43	*	44	↗	1.02	14	1.00		368	↘	1.03	125	0.80	*	149	↘	0.96	63	1.11		90		1.34	26
075	Mission	1.48	*	42	↗	2.17	* 22	1.15	*	399	↘	1.37	* 143	1.20	*	209	↘	1.45	* 87	1.06		82	↘	1.17	21
076	Agassiz-Harrison	1.73		13	↗	1.22	8	1.04		93	↘	1.25	34	1.11		50	↘	1.46	21	1.07		21		1.08	7
077	Summerland	1.02		21		0.72	4	0.97		261	↘	0.66	* 39	1.03		137	↘	0.76	20	0.91		57	↘	0.36	* 7
078	Enderby	0.60		5	↘	0.82	3	1.09		113	↘	1.27	32	0.98		51	↘	1.60	18	1.02		24	↗	0.93	3
080	Kitimat	1.16		7		0.85	4	1.33	*	85		1.11	44	1.13		38	↘	1.14	24	1.61		21		2.14	11
081	Fort Nelson	3.29	*	5		2.09	3	0.90		14		0.78	11	0.98		8		1.21	8	0.99		3		0.33	* 1
083	Central Coast	2.35		2		4.12	1	1.46		13		2.60	7	1.06		5		1.61	3	2.22		4		0.29	* 1
084	Vancouver Island West	-		-		-	-	1.45		15		2.33	13	2.03	*	11	↗	3.83	* 10	0.96		2		0.20	* 1
085	Vancouver Island North	0.79		5		0.58	3	1.28	*	87	↘	1.46	50	1.34		48	↘	1.53	28	1.29		18		1.38	10
087	Stikine	2.65		2		3.42	2	0.84		7		1.19	3	0.70		3		1.02	1	-		-		-	-
088	Terrace	1.75	*	21	↗	2.04	7	1.21	*	164	↘	1.35	69	1.16		81	↘	1.50	38	1.10		32		1.58	14
092	Nisga'a	4.45	*	4		4.01	2	1.22		12		2.15	8	1.76		9		2.39	6	0.96		2		5.64	2
094	Telegraph Creek	-		-		-	-	2.28	*	10	↗	7.06	6	2.29		5		3.49	2	1.02		1		12.83	1
161	Vancouver City Centre	0.74	*	59	↗	0.88	25	1.07	*	1,122	↘	1.20	* 303	1.07		541	↘	0.98	151	1.16	*	287		1.38	54
162	Van. Downtown East Side	1.21		63		2.35	* 34	1.14	*	751	↘	2.45	* 336	1.14	*	371	↘	1.82	* 163	1.17	*	176	↘	3.00	* 67
163	Vancouver North East	1.16		100		0.80	31	0.92	*	975	↘	0.93	261	0.92		486	↘	0.89	139	1.06		256	↘	1.00	59
164	Vancouver West Side	0.57	*	71		0.30	* 18	0.80	*	1,364	↘	0.63	* 209	0.74	*	604	↘	0.51	* 102	0.87	*	349	↘	0.74	36
165	Vancouver Midtown	1.12		76		0.76	25	0.97		830	↘	0.87	220	0.97		407	↘	0.77	* 109	1.10		216	↘	1.13	54
166	Vancouver South	0.96		122		0.85	39	0.90	*	1,480	↘	0.83	* 310	0.89	*	719	↘	0.74	* 173	0.99		379	↘	0.97	53
201	Surrey	1.27	*	243		1.35	* 124	1.08	*	2,396	↘	1.08	822	1.15	*	1,282	↘	1.16	* 492	1.02		508	↘	1.10	140
202	South Surrey/White Rock	0.61	*	75		0.65	24	0.99		1,613	↘	0.73	* 221	1.15	*	913	↘	0.67	* 117	0.87	*	338	↘	0.60	* 40
	PROVINCIAL TOTAL	**1.00**		**3,907**	↗	**1.00**	**1,530**	**1.00**		**49,099**	↘	**1.00**	**12,632**	**1.00**		**24,262**	↘	**1.00**	**7,076**	**1.00**		**11,262**	↘	**1.00**	**2,224**

Please refer to footnotes on Table E

		09 Dis. of Arteries/Arterioles/Capillaries							10 Diseases of the Respiratory System							11 Influenza and Pneumonia							12 Chronic Pulmonary Disease						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	0.40		3	↘	0.59		1	0.93		35	↘	1.13		12	0.57		9	↗	0.29	*	1	1.36		21		1.65		8
002	Cranbrook	0.75		12	↘	0.59		4	1.06		86	↘	1.71		29	1.05		36		1.74		5	1.15		39	↘	1.83		18
003	Kimberley	0.72		6	↘	0.75		2	1.09		47		0.29	*	5	0.76		14		0.10	*	1	1.35		24	↘	0.41	*	3
004	Windermere	0.96		5		0.65		1	0.86		22	↗	0.33	*	4	0.88		9	↗	0.09	*	1	0.99		11		0.79		3
005	Creston	1.03		15	↘	0.08	*	1	0.74	*	56		1.11		13	0.80		26		1.68		6	0.73		23		1.34		7
006	Kootenay Lake	0.32		1		2.05		1	0.55		9	↘	0.83		1	0.71		5		2.47		1	0.60		4		-		-
007	Nelson	0.89		16	↘	0.80		6	0.76	*	71		0.58		13	0.64	*	26		0.79		4	0.84		32		0.49		6
009	Castlegar	1.55		16		2.66		8	0.93		50		1.55		14	0.98		23		2.82		7	0.83		18	↗	0.36	*	4
010	Arrow Lakes	2.51	*	12	↗	2.26		3	1.04		26		0.96		4	0.54		6		2.06		1	1.50		15		0.53		2
011	Trail	1.88	*	37	↘	2.42		9	0.92		95		1.17		18	0.73		33		1.55		6	1.24		52		1.38		11
012	Grand Forks	1.44		13		1.88		7	0.99		46	↗	0.86		8	1.18		23		1.68		3	0.71		14	↗	0.76		5
013	Kettle Valley	2.16		6		2.38		3	0.96		13		2.14		4	0.75		4		4.94		1	0.84		5		0.53		1
014	Southern Okanagan	1.28		34	↘	1.78		8	0.88		121		1.01		23	1.06		61		1.25		4	0.74	*	43		0.91		14
015	Penticton	0.98		51		1.82		15	0.93		257		1.19		50	0.85		103		0.96		14	1.07		121	↗	1.64		27
016	Keremeos	0.99		6	↘	0.92		1	0.75		23	↘	1.58		11	0.39	*	5	↗	0.61		2	1.14		15		0.65		5
017	Princeton	1.11		5		1.47		2	1.20		27		1.61		7	1.10		10	↗	-		-	1.33		13		2.62		5
018	Golden	0.31		1		-		-	0.93		15	↘	1.10		7	0.75		5	↗	0.63		1	1.19		8		1.45		4
019	Revelstoke	2.55	*	12		6.18	*	8	1.23		29		0.74		7	1.11		11		0.32	*	1	1.43		14		1.75		6
020	Salmon Arm	1.39	*	42	↘	1.34		18	0.87		134		0.66	*	27	0.79		51		0.58		6	1.01		66		0.86		15
021	Armstrong-Spallumcheen	1.04		8	↘	0.99		2	0.83		33	↘	1.23		9	0.64		11	↗	0.09	*	1	0.97		16		1.50		6
022	Vernon	1.35	*	72	↘	2.15		21	1.00		277	↘	1.05		62	0.96		113	↗	1.13		16	1.09		125		1.25		38
023	Central Okanagan	0.90		128		0.91		27	0.95		707		0.77	*	112	0.91		292		0.48	*	24	0.94		289		0.69	*	55
024	Kamloops	1.19		75	↘	0.82		20	1.20	*	381		1.58	*	119	0.92		121	↗	1.56		28	1.47	*	198	↗	1.49	*	65
025	100 Mile House	0.86		8		1.11		4	1.19		53		1.08		17	1.16		20		0.44	*	4	1.20		24	↘	1.37		10
026	North Thompson	2.24		5		1.26		3	0.55		6	↘	0.06	*	1	0.46		2		-		-	0.64		3		0.18	*	1
027	Cariboo-Chilcotin	0.76		9	↘	0.77		4	1.03		60	↘	1.48		24	0.80		19	↗	1.21		4	1.14		28		1.82		15
028	Quesnel	1.32		17		1.70		7	1.38	*	88		1.19		33	1.15		30		0.65		8	1.80	*	49		2.58	*	24
029	Lillooet	2.01		5		2.57		3	1.37		17		2.76		9	0.78		4		1.96		2	2.10	*	11		2.59		5
030	South Cariboo	1.49		8		3.86		4	1.75	*	46		2.44		15	1.34		14	↗	0.43		2	2.45	*	28	↗	2.15		10
031	Merritt	0.58		4	↘	-		-	1.38	*	48		2.96	*	25	1.17		17		5.53		10	1.44		21	↗	1.40		8
032	Hope	1.42		10		1.27		2	1.16		41	↘	1.18		10	1.09		16		1.57		4	1.06		16	↘	0.49		2
033	Chilliwack	0.80		46	↘	0.50	*	15	1.10		329	↗	1.27		80	1.09		137		1.18		21	1.13		140		1.36		46
034	Abbotsford	1.02		90		0.61	*	20	0.92		429		1.00		75	0.98		199	↗	1.11		20	0.90		171	↗	0.92		36
035	Langley	0.82		59		0.56		11	1.03		376		0.93		76	1.19	*	184		0.83		26	0.93		141	↘	0.90		35
037	Delta	1.27		71		1.17		22	0.98		275		0.48	*	47	0.95		113		0.52	*	15	0.96		112	↘	0.59	*	22
038	Richmond	0.75	*	78	↘	1.26		37	0.82	*	435	↘	0.45	*	65	0.87		200		0.37	*	19	0.76	*	165	↘	0.37	*	29
040	New Westminster	1.07		48	↘	1.49		12	1.15	*	276		1.27		54	1.31	*	142		1.72		24	0.97		91		0.95		18
041	Burnaby	0.81	*	115	↘	0.68		24	1.02		759		0.67	*	130	1.15	*	374		0.51	*	36	0.94		280		0.72	*	65
042	Maple Ridge	1.26		53		1.00		19	1.05		225	↘	1.25		68	0.99		89	↗	1.14		19	1.23	*	109		1.41		39
043	Coquitlam	0.78	*	67	↘	0.40	*	17	1.07		464	↘	0.90		130	1.12		206	↗	0.88		42	1.09		193	↘	1.03		66
044	North Vancouver	1.10		92	↘	0.51	*	18	1.08		466	↘	1.10		95	1.21	*	223	↗	1.24		27	0.98		173	↘	1.00		53
045	West Vancouver-Bowen Is.	0.72	*	42	↘	0.75		6	0.90		282		0.41	*	26	1.22	*	170		0.80		10	0.66	*	82		0.34	*	15
046	Sunshine Coast	0.78		19		1.47		8	1.13		142		1.35		33	1.27		67		1.56		12	0.93		49		1.23		17
047	Powell River	1.10		19	↘	1.10		6	0.97		87		1.05		18	1.01		39		1.13		7	0.89		33		0.89		7
048	Howe Sound	1.05		9		1.61		5	1.25		52		0.67		13	1.37		23		0.23	*	3	1.38		24		0.67		7
049	Bella Coola Valley	-		-		-		-	0.95		6	↘	0.11	*	1	0.40		1		-		-	1.82		5		0.32	*	1
050	Queen Charlotte	1.55		3		-		-	1.04		10	↗	1.94		7	1.47		6		3.35		3	-		-		-		-
051	Snow Country	-		-		-		-	-		-		-		-	-		-		-		-	-		-		-		-
052	Prince Rupert	1.20		8	↘	2.19		5	1.20		40	↘	1.16		8	1.23		17		0.90		3	1.16		16	↘	0.36	*	3
053	Upper Skeena	-		-		-		-	1.53		15	↗	1.18		3	1.50		6		0.54		1	1.68		7		-		-
054	Smithers	1.49		9	↘	1.88		5	1.43	*	42	↗	1.27		13	1.09		13		0.50		3	1.53		19	↗	1.25		6
055	Burns Lake	1.58		6		1.92		3	0.97		18		0.61		6	0.94		7		0.61		1	1.37		11		1.10		5
056	Nechako	1.05		7		0.61		3	1.26		41		1.06		18	0.84		11		1.54		5	1.73	*	24	↗	1.29		10
057	Prince George	1.04		36	↘	0.85		14	1.54	*	256		1.14		75	1.39	*	93	↗	1.10		17	1.88	*	133	↗	1.28		42
059	Peace River South	1.31		16		1.27		9	1.26		77		1.29		22	1.33		34	↗	1.66		6	1.33		34	↘	1.04		12
060	Peace River North	1.65		16		1.26		5	1.12		53		0.85		12	0.94		18		1.44		5	1.36		27	↘	0.72		5
061	Greater Victoria	0.94		217	↘	0.72		30	0.96		1,202	↘	1.03		174	0.89	*	510	↗	0.91		39	0.98		476		1.19		96
062	Sooke	1.12		31	↘	0.43	*	7	1.01		141	↘	0.85		40	0.87		50	↗	0.22	*	7	1.08		63		1.34		23
063	Saanich	1.18		86	↘	0.71		14	0.79	*	303	↘	0.66	*	42	0.74	*	121	↗	0.65		11	0.76	*	121		0.36	*	20
064	Gulf Islands	0.53		9		0.72		1	0.73	*	64		0.29	*	7	0.68		25		-		-	0.76		28		0.64		6
065	Cowichan	0.86		36	↘	0.55		6	1.08		233		1.43		66	1.11		100		1.55		20	1.03		93		1.24		34
066	Lake Cowichan	0.95		4		2.60		4	0.96		20	↗	3.01		8	0.71		6		6.45		2	1.23		11	↗	2.00		6
067	Ladysmith	1.56	*	25	↘	1.75		12	1.17		96	↘	1.62		24	1.25		43		1.39		7	0.93		32		1.84		11
068	Nanaimo	1.09		82	↘	0.92		21	0.93		360	↘	1.05		98	0.80	*	132	↗	0.70		20	1.03		166		1.18		57
069	Qualicum	0.94		46	↘	0.81		16	0.94		235		0.91		42	0.92		94		0.82		12	0.87		94		0.66		19
070	Alberni	0.92		20	↘	0.72		7	0.90		99	↘	0.91		28	0.76		35	↗	0.44	*	6	0.93		43		1.01		15
071	Courtenay	0.80		35	↘	0.18	*	5	1.04		232	↗	1.11		50	0.75	*	70		1.27		11	1.36	*	128	↗	1.37		30
072	Campbell River	1.07		23	↘	0.48	*	7	0.83		89	↘	1.01		27	0.58	*	26		0.93		5	1.02		46	↘	0.97		14
075	Mission	1.08		22		1.34		7	1.27	*	132		1.73		42	1.08		47		1.65		13	1.44	*	62		1.91		19
076	Agassiz-Harrison	0.38		2		0.88		2	1.28		34		2.43		10	1.84	*	20		2.57		4	0.62		7		0.87		3
077	Summerland	1.07		17		0.57		2	0.97		81		0.63		8	1.04		38		-		-	0.96		33		1.38		6
078	Enderby	1.30		8		1.43		3	1.05		33		2.95		14	1.05		14		4.75		3	1.21		16		2.77		9
080	Kitimat	1.03		4		0.12	*	1	0.89		16	↘	0.62		7	0.60		4	↗	0.87		3	1.24		10	↗	0.54		2
081	Fort Nelson	1.10		1		1.73		1	0.96		4	↘	1.60		3	1.24		2		3.27		2	1.15		2		0.94		1
083	Central Coast	-		-		-		-	2.75	*	7		3.29		4	6.30	*	6		3.90		3	-		-		-		-
084	Vancouver Island West	1.67		1		1.79		1	0.73		2		2.17		1	-		-		-		-	-		-		-		-
085	Vancouver Island North	0.74		3		2.22		2	1.23		23	↗	0.89		7	0.54		4		-		-	1.51		12	↗	1.57		4
087	Stikine	4.08		2		0.92		1	0.43		1		3.21		1	-		-		-		-	1.02		1		8.73		1
088	Terrace	0.99		8		0.48		3	2.07	*	81		2.28	*	34	2.36	*	37		2.36		9	1.78	*	30	↗	2.89	*	18
092	Nisga'a	-		-		-		-	2.11		6		1.73		2	3.73	*	4		3.93		1	0.78		1		0.70		1
094	Telegraph Creek	-		-		-		-	2.29		3		-		-	5.19	*	3		-		-	-		-		-		-
161	Vancouver City Centre	1.22		72		1.97		30	1.08		337		1.14		75	1.09		155		1.75		31	1.08		131	↗	1.15		33
162	Van. Downtown East Side	1.52	*	58	↘	4.39	*	37	1.28	*	252		3.64	*	111	1.02		87		3.85	*	38	1.59	*	127		3.65	*	53
163	Vancouver North East	0.77		48	↘	0.50		5	0.84	*	267		0.42	*	46	0.94		127		0.45	*	17	0.74	*	98	↘	0.48	*	20
164	Vancouver West Side	0.82		78	↘	0.96		20	1.03		531		0.57	*	65	1.27	*	301	↗	0.61	*	23	0.69	*	137		0.36	*	23
165	Vancouver Midtown	1.02		50	↘	1.38		16	1.16	*	295	↘	1.04		62	1.20	*	133	↗	0.81		20	1.10		113		1.01		24
166	Vancouver South	0.85		80	↘	1.03		20	0.85	*	426	↘	0.72	*	72	0.98		218	↗	1.08		31	0.73	*	146	↘	0.61	*	29
201	Surrey	1.14		148	↘	0.91		40	1.02		664		0.95		182	1.00		267		1.02		49	1.02		279	↘	0.83		89
202	South Surrey/White Rock	0.86		80	↘	0.75		15	0.84	*	418	↘	0.63	*	56	0.87		192	↗	0.60		13	0.76	*	152	↘	0.58	*	30
	PROVINCIAL TOTAL	**1.00**		**2,850**	↘	**1.00**		**797**	**1.00**		**14,764**	↘	**1.00**		**3,178**	**1.00**		**6,363**	↗	**1.00**		**893**	**1.00**		**6,044**		**1.00**		**1,620**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1999-2003

		13 Diseases of the Digestive System						14 Motor Vehicle Accidents						15 Accidental Falls						16 Suicide					
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75
001	Fernie	1.13		18		0.47	* 9	1.21		9		1.27	8	1.11		5		2.24	2	1.12		10		1.02	9
002	Cranbrook	0.98		31	↘	1.32	21	1.21		15		1.05	13	1.19		11		2.05	4	1.19		17		1.14	16
003	Kimberley	1.43		22	↗	0.85	8	0.90		4	↘	1.52	4	1.05		5		0.64	1	0.77		4		0.87	4
004	Windermere	0.85		9		0.66	3	2.23	*	10		2.95	10	0.35		1		-	-	1.32		7		1.24	7
005	Creston	0.97		25	↘	0.20	* 4	2.32	*	15		2.32	12	0.99		8	↘	-	-	1.67		12	↗	2.39	12
006	Kootenay Lake	0.67		4		1.69	3	4.55	*	8		4.02	7	2.18		4		1.56	1	1.43		3		1.59	3
007	Nelson	0.61	*	21		0.61	9	1.71	*	21		1.79	18	1.78	*	19		-	-	1.19		17		0.97	17
009	Castlegar	1.12		22		1.77	12	2.24	*	15		2.51	* 15	2.13	*	13	↗	1.50	2	1.16		9		1.38	8
010	Arrow Lakes	1.33		12		1.97	5	3.91	*	10		6.12	* 9	1.76		5		-	-	-		-		-	-
011	Trail	1.22		44	↘	1.14	16	1.06		11		1.35	10	1.30		15		2.88	5	1.43		17	↗	1.56	15
012	Grand Forks	1.39		23		2.15	14	1.49		7	↘	2.01	6	1.41		7		0.12	* 1	0.93		5		0.43	* 4
013	Kettle Valley	1.11		6		0.90	2	3.29	*	6		2.69	6	1.40		2		-	-	0.91		2	↘	0.78	2
014	Southern Okanagan	0.97		44		1.23	25	1.93	*	19		1.91	13	1.21		17		3.57	6	1.56		17	↗	1.69	13
015	Penticton	1.16		103	↗	1.12	33	1.05		22	↘	1.20	20	1.08		32		2.45	5	1.39		32		1.55	31
016	Keremeos	1.04		11		2.35	7	4.04	*	10		5.45	* 9	0.32		1		-	-	1.37		4		1.98	4
017	Princeton	1.30		11		0.82	4	2.96	*	7	↘	2.89	4	1.71		4		1.40	2	1.37		4		2.36	4
018	Golden	0.29		2		0.42	1	2.53	*	9	↗	2.74	9	0.52		1		3.11	1	1.18		5		1.37	5
019	Revelstoke	1.25		12		0.68	5	2.22	*	9		2.28	9	2.20		6		3.18	2	0.42		2		0.56	2
020	Salmon Arm	0.92		51		0.83	24	1.68	*	27	↘	1.83	* 25	0.91		15		1.10	6	0.82		15		0.72	12
021	Armstrong-Spallumcheen	0.89		13		0.11	* 2	2.87	*	14	↘	3.33	* 13	0.90		4		-	-	1.27		7		2.15	7
022	Vernon	0.99		97		0.95	38	1.35		40	↘	1.34	33	0.83		25		1.03	8	0.90		30		0.76	26
023	Central Okanagan	0.89		230		1.02	90	0.91		70	↘	0.78	55	1.01		82	↘	1.09	21	1.16		101		1.19	88
024	Kamloops	1.17		147		1.28	78	1.68	*	84	↘	1.52	* 71	1.58	*	56		1.54	20	1.19		69		1.29	66
025	100 Mile House	1.66	*	31		1.97	20	2.26	*	16	↘	2.47	* 16	1.90		9	↗	2.25	4	1.41		12		1.84	12
026	North Thompson	1.66		8		1.62	6	5.39	*	13		4.84	* 12	1.57		2		1.51	1	1.05		3		0.43	3
027	Cariboo-Chilcotin	1.27		33	↘	1.44	22	2.44	*	33	↘	2.63	* 33	1.72		12		1.48	4	1.52		24		1.55	23
028	Quesnel	1.02		27	↘	1.23	16	2.71	*	33		2.26	* 28	2.19	*	16	↗	0.31	* 3	0.78		11	↘	0.62	11
029	Lillooet	1.59		8	↘	1.41	3	5.36	*	12		4.16	* 11	2.11		3		0.72	1	1.16		3	↘	0.96	2
030	South Cariboo	2.68	*	28		3.74	* 20	3.73	*	14	↘	2.71	12	1.07		3		2.34	2	1.59		7	↘	1.46	6
031	Merritt	1.42		19		1.31	12	3.12	*	17		3.01	* 14	2.05		8		2.23	2	1.61		10	↘	2.04	10
032	Hope	1.43		19	↗	2.24	10	1.89		8		1.67	6	0.78		3		-	-	1.85		9	↘	1.39	9
033	Chilliwack	0.99		105	↘	1.05	42	1.20		42	↘	1.27	38	0.80		26		1.43	11	1.10		43		1.04	39
034	Abbotsford	0.85		138	↘	0.82	55	1.09		65	↘	1.16	61	0.48	*	25		0.44	* 5	0.99		65		1.08	61
035	Langley	1.02		142		0.98	66	0.87		48	↘	0.85	39	0.87		36	↘	0.57	7	0.61	*	39		0.70	* 37
037	Delta	0.85		98	↘	0.66	* 45	0.72		35	↘	0.66	* 29	0.61	*	20	↘	0.24	* 2	0.65	*	37		0.61	* 35
038	Richmond	0.68	*	141	↘	0.42	* 48	0.50	*	42	↘	0.57	* 36	0.74	*	46	↘	0.43	* 11	0.57	*	56	↘	0.47	* 49
040	New Westminster	1.01		86	↘	1.50	* 49	0.42	*	12	↘	0.43	* 10	0.78		22	↘	0.99	8	1.32		46	↘	1.17	44
041	Burnaby	1.00		272	↘	0.73	* 98	0.57	*	57	↘	0.48	* 45	0.72	*	62	↘	0.82	17	0.75	*	88		0.73	* 78
042	Maple Ridge	0.88		75	↘	0.69	* 30	1.17		45	↘	1.16	42	0.60	*	15		0.45	* 4	1.21		55	↘	1.17	54
043	Coquitlam	0.88		164	↘	0.79	* 82	0.50	*	47	↘	0.53	* 45	0.89		47	↘	0.54	* 13	0.66	*	74	↘	0.65	* 70
044	North Vancouver	0.94		156	↘	0.76	59	0.49	*	31	↘	0.45	* 23	0.91		45	↘	1.07	11	0.77	*	59	↘	0.75	* 53
045	West Vancouver-Bowen Is.	0.91		96	↗	0.48	* 20	0.39	*	10	↘	0.46	* 9	0.69		24	↘	1.52	5	0.93		27	↘	0.79	21
046	Sunshine Coast	0.90		41		1.38	25	0.46	*	6	↘	0.56	6	0.52		7		0.48	1	1.24		19		1.44	19
047	Powell River	0.74		24	↘	0.52	* 9	0.80		8	↘	0.82	7	1.01		10		1.02	2	0.77		9	↘	0.53	* 7
048	Howe Sound	0.89		18		0.73	12	1.80	*	26	↘	1.92	* 26	1.86		10	↗	2.36	5	1.32		23		1.10	20
049	Bella Coola Valley	2.11		6		3.97	3	7.63	*	12		8.13	* 12	-		-		-	-	2.17		4		2.49	4
050	Queen Charlotte	1.58		7		1.22	5	0.84		2	↘	0.91	2	2.45		3		2.51	2	3.30	*	10		2.57	10
051	Snow Country	1.95		1		1.60	1	16.49	*	6		18.76	* 6	-		-		-	-	-		-		-	-
052	Prince Rupert	1.63	*	23		1.41	13	1.42		11	↘	1.44	11	1.50		6		0.83	2	1.43		13	↗	1.61	13
053	Upper Skeena	1.66		7	↘	2.58	6	1.15		3	↘	1.54	3	0.85		1		0.20	* 1	1.34		4		1.83	4
054	Smithers	1.33		18		1.01	10	2.19	*	18	↘	2.58	* 18	-		-		-	-	1.04		10	↘	0.76	9
055	Burns Lake	1.69		13	↗	2.41	9	2.99	*	11	↘	2.87	11	1.43		3		0.44	1	1.44		6	↘	1.45	6
056	Nechako	1.13		16	↘	1.75	12	2.98	*	24	↘	2.81	* 22	1.82		7		0.80	4	1.20		11		1.56	11
057	Prince George	1.22		96	↘	1.16	67	1.82	*	86	↘	1.48	* 81	0.88		18	↘	0.46	* 5	1.10		61	↘	1.18	60
059	Peace River South	0.91		23	↘	0.79	10	3.05	*	38		2.76	* 37	1.94	*	14		0.22	* 3	0.62		9	↘	0.65	9
060	Peace River North	0.97		21		1.47	16	2.31	*	33		2.02	* 32	1.52		9		2.04	5	0.92		15	↘	1.16	15
061	Greater Victoria	1.07		437	↘	0.98	128	0.45	*	49	↘	0.45	* 37	1.36	*	196		1.15	19	1.23	*	150		1.17	132
062	Sooke	0.89		51	↘	1.06	33	0.51	*	13	↘	0.58	* 12	1.50		24		1.53	7	0.85		26	↘	0.77	25
063	Saanich	0.57	*	73	↘	0.49	* 17	0.63	*	20		0.78	17	0.84		34	↘	0.35	* 4	0.83		30		0.82	24
064	Gulf Islands	1.12		34		1.07	15	0.42		3	↘	0.71	3	1.97	*	18		5.41	5	1.19		10	↘	1.51	10
065	Cowichan	1.20		94		1.27	46	1.01		26	↘	1.48	25	1.29		30		2.30	10	1.16		34		1.44	33
066	Lake Cowichan	1.71		14		1.34	8	1.33		4		1.82	4	-		-		-	-	1.13		4		1.19	3
067	Ladysmith	1.27		37		1.47	17	1.48		12	↘	1.72	12	1.03		9		1.16	2	1.18		11		1.48	10
068	Nanaimo	1.08		151		1.30	75	0.80		37	↘	0.86	33	1.17		50		0.33	* 6	1.40	*	74		1.45	* 69
069	Qualicum	0.76	*	66		0.59	* 20	1.17		24	↘	1.33	19	1.26		32		0.97	4	0.55	*	13	↘	0.51	* 12
070	Alberni	0.99		42		1.20	22	0.97		15	↘	0.96	13	0.90		11	↘	1.67	3	1.33		24		1.49	23
071	Courtenay	1.17		98		0.84	39	0.96		27	↘	1.24	25	1.07		26		1.16	8	1.07		35		1.11	35
072	Campbell River	1.25		55	↗	1.27	34	0.79		15	↘	0.83	14	0.89		11		0.17	* 4	1.07		24		0.94	22
075	Mission	1.11		45		0.78	23	1.08		19	↘	1.04	16	1.01		12		0.25	* 2	1.27		26		1.24	25
076	Agassiz-Harrison	1.83	*	19		3.42	* 12	1.98		8		2.60	8	1.71		5		2.43	2	0.62		3		0.66	3
077	Summerland	1.03		28		0.50	6	1.31		8	↘	1.61	5	1.79	*	16		6.06	5	0.90		6		1.30	5
078	Enderby	1.32		15		0.92	7	3.61	*	13	↘	3.79	* 12	1.75		6		0.48	1	0.49		2	↘	0.50	2
080	Kitimat	1.55		14	↘	1.78	10	1.80		10		2.03	9	0.94		2		0.56	2	0.76		5	↘	0.93	5
081	Fort Nelson	0.77		2		0.83	2	2.83	*	8		3.11	8	1.52		1		-	-	1.22		4		1.11	4
083	Central Coast	6.37	*	8		6.16	7	1.22		1		1.66	1	3.28		1		-	-	2.08		2	↘	3.21	2
084	Vancouver Island West	-		-		-	-	0.89		1		1.20	1	-		-		-	-	1.39		2		1.49	2
085	Vancouver Island North	1.81	*	18		1.39	15	0.31		2	↘	0.23	* 1	1.64		4		1.17	1	1.53		12		1.70	12
087	Stikine	0.87		1		0.20	* 1	1.76		1		2.86	1	-		-		-	-	2.84		2		3.09	2
088	Terrace	1.47		26		2.41	* 20	1.36		14		1.21	12	1.28		6		0.15	* 1	1.26		15		1.13	15
092	Nisga'a	2.33		3		2.40	1	3.33		3		0.28	* 2	-		-		-	-	3.07		3		4.78	3
094	Telegraph Creek	-		-		-	-	-		-		-	-	6.21		1		21.63	1	6.41		2		8.83	2
161	Vancouver City Centre	1.43	*	165		1.33	77	0.41	*	20	↘	0.29	* 17	1.05		40	↘	2.44	* 18	1.39	*	87	↘	1.13	80
162	Van. Downtown East Side	1.82	*	132	↘	3.77	* 99	0.84		22	↘	0.66	* 19	1.41		32	↘	3.84	* 21	2.27	*	77	↘	2.22	* 75
163	Vancouver North East	1.07		128		1.08	58	0.66	*	31	↘	0.68	* 27	1.03		37	↘	0.37	* 5	0.85		47	↘	0.87	46
164	Vancouver West Side	0.80	*	142	↘	0.52	* 35	0.48	*	30	↘	0.38	* 22	0.78		48		1.01	10	0.69	*	49	↘	0.65	* 44
165	Vancouver Midtown	1.20		117	↘	0.90	46	0.56	*	23	↘	0.41	* 17	0.73		22	↘	0.70	5	0.87		44		0.85	39
166	Vancouver South	0.75	*	133	↘	0.79	55	0.64	*	40	↘	0.51	* 31	0.92		53	↘	1.15	16	0.63	*	45	↘	0.65	* 42
201	Surrey	0.93		257	↘	0.95	148	1.04		149	↘	1.06	139	0.72	*	55	↘	0.53	* 17	0.98		164	↘	1.00	158
202	South Surrey/White Rock	0.80	*	133	↘	0.80	42	0.98		38	↘	0.77	26	0.80		44		1.16	5	0.73		32	↘	0.74	25
	PROVINCIAL TOTAL	**1.00**		**5,459**	↘	**1.00**	**2,434**	**1.00**		**1,994**	↘	**1.00**	**1,752**	**1.00**		**1,676**	↘	**1.00**	**413**	**1.00**		**2,324**	↘	**1.00**	**2,157**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1999-2003

		17 Alcohol-Related Deaths						18 Medically Treatable Disease						19 Drug-Induced Deaths					
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75	SMR	(p)	Death	TR	PYLLI	(p) D<75
001	Fernie	1.03		33	↗	0.86	28	0.36		1		0.56	1	0.50		4		0.47	* 4
002	Cranbrook	1.23		70	↗	1.02	56	1.60		7		1.67	7	0.56		7		0.64	7
003	Kimberley	1.77	*	43	↗	1.13	29	-		-		-	-	0.92		4		0.96	4
004	Windermere	1.04		22	↗	1.12	16	1.22		2		1.02	2	0.22		1		0.02	* 1
005	Creston	1.27		49	↗	2.00	* 39	-		-		-	-	0.72		4		0.92	4
006	Kootenay Lake	1.85	*	18	↗	2.67	* 15	1.51		1		1.65	1	1.72		3		1.43	3
007	Nelson	1.37	*	80	↗	1.13	49	0.46		2		0.59	2	0.89		11		0.82	11
009	Castlegar	1.35		44	↗	1.27	31	1.26		3		1.22	3	0.75		5		0.69	5
010	Arrow Lakes	1.63	*	23	↗	1.58	17	3.19		3		4.09	3	0.80		2		0.45	1
011	Trail	1.55	*	83	↗	1.40	49	0.84		3		1.18	3	0.89		9	↗	0.76	9
012	Grand Forks	1.12		30	↗	2.04	* 27	0.62		1		1.04	1	0.23		1		0.10	* 1
013	Kettle Valley	0.78		8		1.29	8	-		-		-	-	-		-		-	-
014	Southern Okanagan	1.29	*	86	↗	1.36	59	0.65		2		1.15	2	1.23		10	↗	1.48	10
015	Penticton	1.17		142	↗	1.58	* 112	0.47		3		0.55	3	1.07		20		1.11	20
016	Keremeos	0.83		14	↗	1.68	14	1.16		1		1.56	1	0.89		2		1.15	2
017	Princeton	1.72	*	26	↗	2.80	* 22	-		-		-	-	0.86		2		1.00	2
018	Golden	1.04		15	↗	1.58	14	1.57		2		1.79	2	-		-		-	-
019	Revelstoke	1.38		25	↗	1.38	19	0.68		1		0.31	* 1	0.47		2		0.66	2
020	Salmon Arm	1.03		92	↗	1.06	63	0.54		3	↗	0.58	3	0.81		12	↗	0.89	12
021	Armstrong-Spallumcheen	0.92		22	↗	1.01	17	0.59		1		0.61	1	-		-		-	-
022	Vernon	1.10		168	↗	1.15	127	0.91		9		0.97	9	1.28		36	↗	1.29	36
023	Central Okanagan	0.96		384	↗	1.14	278	0.63		16		0.74	16	1.16		86	↗	1.16	80
024	Kamloops	1.26	*	292	↗	1.50	* 239	1.12		20		1.16	20	1.13		57	↗	1.28	57
025	100 Mile House	1.39	*	53	↗	2.06	* 48	1.85		5		2.06	5	1.13		8	↗	1.35	8
026	North Thompson	1.25		13	↗	1.54	11	2.27		2		1.66	2	0.80		2		0.99	2
027	Cariboo-Chilcotin	1.86	*	102	↗	1.94	* 83	1.03		5		0.98	5	0.71		10	↗	0.87	10
028	Quesnel	1.26		67	↗	1.21	56	1.15		5		1.36	5	1.12		14		1.03	14
029	Lillooet	3.17	*	31	↗	2.45	* 24	2.61		2		3.99	2	0.88		2		1.16	2
030	South Cariboo	2.21	*	44		2.75	* 38	-		-		-	-	0.27		1		-	-
031	Merritt	2.14	*	53	↗	2.50	* 43	2.13		4		2.81	4	1.67		9		1.72	9
032	Hope	1.58	*	36	↗	1.82	27	1.37		2		1.18	2	0.99		4		1.04	4
033	Chilliwack	0.93		159	↗	1.00	116	1.25		14	↗	1.40	14	0.92		31		0.93	28
034	Abbotsford	0.64	*	166	↗	0.70	* 134	1.24		23		1.23	23	1.04		60	↗	1.03	59
035	Langley	0.73	*	180	↗	0.66	* 130	1.35		26		1.54	26	0.67	*	38	↗	0.63	* 36
037	Delta	0.62	*	133	↗	0.53	* 93	0.45	*	8		0.34	* 8	0.60	*	30	↗	0.57	* 28
038	Richmond	0.47	*	173	↗	0.36	* 124	0.65		20		0.61	* 20	0.31	*	27		0.26	* 24
040	New Westminster	1.23	*	160	↗	1.16	128	1.89	*	19	↗	1.96	* 19	2.07	*	67		1.94	* 66
041	Burnaby	0.75	*	332	↗	0.63	* 234	0.90		31		0.78	31	0.70	*	74		0.71	* 70
042	Maple Ridge	0.86		137	↗	0.65	* 105	0.88		12		0.85	12	1.11		46	↗	1.10	45
043	Coquitlam	0.75	*	278	↗	0.61	* 220	0.69		24		0.69	* 24	0.58	*	61		0.59	* 60
044	North Vancouver	0.78	*	226	↗	0.62	* 161	0.79		19		0.81	19	0.50	*	35		0.50	* 33
045	West Vancouver-Bowen Is.	0.57	*	84	↗	0.50	* 46	0.87		8		0.94	8	0.47	*	11		0.55	* 10
046	Sunshine Coast	1.03		76	↗	0.86	54	1.49		7		1.45	7	1.25		16		1.49	16
047	Powell River	1.39	*	74	↗	1.45	56	1.67		6		1.50	6	1.02		10		0.74	9
048	Howe Sound	1.15		57		1.02	47	1.42		7		1.41	7	0.60		10	↗	0.58	* 10
049	Bella Coola Valley	3.04	*	19		2.95	* 17	3.69		2		3.89	2	-		-		-	-
050	Queen Charlotte	2.35	*	23	↗	2.00	* 21	1.09		1		1.25	1	1.07		3		0.90	3
051	Snow Country	2.01		3		3.30	3	-		-		-	-	-		-		-	-
052	Prince Rupert	2.30	*	68	↗	2.51	* 64	1.52		4		0.91	4	1.32		11		1.17	11
053	Upper Skeena	2.85	*	27	↗	2.09	20	-		-		-	-	1.09		3		1.48	3
054	Smithers	1.05		32	↗	1.02	28	0.35		1		0.69	1	0.23	*	2		0.29	* 2
055	Burns Lake	1.15		18	↗	1.12	16	0.80		1		0.66	1	-		-		-	-
056	Nechako	1.71	*	53	↗	1.47	45	1.86		5		1.85	5	0.24	*	2		0.24	* 2
057	Prince George	1.17	*	209	↗	1.11	181	1.48		25		1.22	25	0.87		44		0.86	44
059	Peace River South	1.50	*	76	↗	1.54	* 66	1.40		6		1.46	6	0.53		7		0.57	7
060	Peace River North	1.23		61	↗	1.15	52	1.07		5		1.22	5	0.13	*	2		0.05	* 1
061	Greater Victoria	1.23	*	656	↗	1.20	* 438	0.90		31		0.90	31	1.79	*	191	↗	1.72	* 178
062	Sooke	1.04		115	↗	0.93	94	0.94		9		0.67	9	0.72		20		0.75	20
063	Saanich	0.67	*	125	↗	0.48	* 62	0.83		9	↗	1.03	9	0.62	*	18	↗	0.44	* 12
064	Gulf Islands	1.05		49	↗	1.26	35	0.37		1		0.20	* 1	0.76		5		1.01	5
065	Cowichan	1.08		141	↗	1.17	103	0.79		7		0.92	7	0.72		18		0.80	18
066	Lake Cowichan	1.56	*	24	↗	1.79	21	0.92		1		1.47	1	1.33		4		0.75	3
067	Ladysmith	1.36	*	63	↗	1.42	45	1.07		3		1.14	3	0.78		6		0.74	6
068	Nanaimo	1.14	*	261	↗	1.30	* 206	0.83		13	↗	0.86	13	1.26		57	↗	1.28	55
069	Qualicum	0.74	*	100	↗	0.76	67	0.87		6		0.88	6	0.38	*	7		0.46	* 7
070	Alberni	1.64	*	124	↗	1.39	* 92	0.90		5	↗	0.73	5	0.97		15	↗	1.05	15
071	Courtenay	1.08		156	↗	0.95	103	0.89		9		1.15	9	1.00		28	↗	1.08	27
072	Campbell River	1.57	*	134	↗	1.39	* 107	1.28		9		1.13	9	1.31		26	↗	1.29	25
075	Mission	0.74	*	56	↗	0.75	51	0.98		6		0.87	6	1.15		21	↗	1.09	21
076	Agassiz-Harrison	1.23		24	↗	1.61	18	2.23		3		2.40	3	1.21		5		1.29	5
077	Summerland	0.70		26	↗	0.60	* 17	1.05		2		1.33	2	0.19		1		0.36	1
078	Enderby	1.22		23	↗	1.54	21	0.81		1		0.69	1	0.59		2		0.39	* 2
080	Kitimat	1.00		22	↗	0.98	19	0.50		1		0.49	1	0.51		3		0.42	* 2
081	Fort Nelson	1.39		11		1.04	11	1.10		1		1.14	1	-		-		-	-
083	Central Coast	4.50	*	14		5.86	* 13	3.68		1		2.85	1	-		-		-	-
084	Vancouver Island West	3.06	*	13	↗	1.83	10	-		-		-	-	-		-		-	-
085	Vancouver Island North	1.92	*	48	↗	1.56	43	2.06		5		2.31	5	1.26		9	↗	0.99	9
087	Stikine	2.35		6		2.57	5	4.33		1		3.74	1	-		-		-	-
088	Terrace	1.50	*	59	↗	1.53	* 51	1.42		5		1.55	5	0.74		8		0.70	8
092	Nisga'a	4.57	*	14	↗	6.00	* 12	-		-		-	-	-		-		-	-
094	Telegraph Creek	11.01	*	11	↗	11.14	* 10	-		-		-	-	-		-		-	-
161	Vancouver City Centre	1.43	*	284	↗	1.32	* 230	1.37		23	↗	1.19	23	1.74	*	107		1.53	* 105
162	Van. Downtown East Side	3.33	*	426		4.01	* 384	3.40	*	31		3.47	* 31	6.20	*	194		6.18	* 193
163	Vancouver North East	0.82	*	173	↗	0.75	* 136	1.44		23	↗	1.39	23	1.05		53		0.99	52
164	Vancouver West Side	0.45	*	119	↗	0.42	* 83	0.34	*	7	↘	0.34	* 7	0.52	*	34		0.50	* 29
165	Vancouver Midtown	0.92		160		0.81	* 118	0.61		9	↘	0.57	* 9	1.19		57		1.17	56
166	Vancouver South	0.61	*	170	↗	0.66	* 124	0.76		16		0.79	16	0.60	*	38		0.66	* 36
201	Surrey	0.82	*	458	↗	0.88	* 391	1.28		64	↗	1.12	64	1.18	*	184	↗	1.26	* 181
202	South Surrey/White Rock	0.49	*	109	↗	0.52	* 67	0.76		10	↘	0.64	10	0.59	*	21		0.50	* 16
	PROVINCIAL TOTAL	**1.00**		**9,184**	↗	**1.00**	**7,023**	**1.00**		**692**	↘	**1.00**	**692**	**1.00**		**2,063**	↗	**1.00**	**1,987**

Please refer to footnotes on Table E

TABLE C
SUMMARY STATISTICS BY HEALTH SERVICE DELIVERY AREA
BRITISH COLUMBIA, 1999-2003

	Health Service Delivery Area	2003 Population	Live Birth Total	Live Birth Rate	Stillbirth Total	Stillbirth Rate[2]	Death Total	Death Rate	Infant Death Total	Infant Death Rate[3]
11	East Kootenay	79,623	3,388	8.57	12	3.53	2,712	6.86	9	2.66
12	Kootenay Boundary	79,964	3,143	7.82	25	7.89	3,463	8.62	17	5.41
13	Okanagan	315,689	12,881	8.29	89	6.86	14,458	9.31	46	3.57
14	Thompson/Cariboo	213,871	9,431	8.78	60	6.32	7,799	7.26	46	4.88
21	Fraser East	256,379	14,947	12.02	109	7.24	9,054	7.28	55	3.68
22	Fraser North	561,427	28,420	10.50	186	6.50	16,122	5.95	90	3.17
23	Fraser South	627,532	35,302	11.70	217	6.11	17,466	5.79	146	4.14
31	Richmond	174,201	7,768	9.08	59	7.54	4,105	4.80	28	3.60
32	Vancouver	578,034	28,514	9.89	248	8.62	19,328	6.70	114	4.00
33	North Shore/Coast Garibal	268,303	12,088	9.08	90	7.39	8,976	6.74	41	3.39
41	South Vancouver Island	340,131	13,836	8.15	82	5.89	16,127	9.50	58	4.19
42	Central Vancouver Island	241,869	10,044	8.38	68	6.72	10,398	8.67	45	4.48
43	North Vancouver Island	113,951	5,276	9.22	36	6.78	3,802	6.64	39	7.39
51	Northwest	82,481	5,235	12.42	51	9.65	2,064	4.90	23	4.39
52	Northern Interior	149,442	8,221	10.87	80	9.64	3,885	5.14	38	4.62
53	Northeast	63,683	4,305	13.49	33	7.61	1,444	4.53	16	3.72
	PROVINCIAL TOTAL	**4,146,580**	**202,816**	**9.93**	**1,445**	**7.08**	**141,219**	**6.91**	**811**	**4.00**

	Health Service Delivery Area	Low Birth Wt. Live Birth Total	Low Birth Wt. Live Birth Rate[1]	Cesarean Total	Cesarean Rate[1]	Pre-term Total	Pre-term Rate[1]	Teenage Mother Total	Teenage Mother Rate[1]	Elderly Gravida Total	Elderly Gravida Rate[1]
11	East Kootenay	112	33.06	737	217.53	155	45.75	317	93.57	428	126.33
12	Kootenay Boundary	167	53.13	705	224.31	207	65.86	127	40.41	533	169.58
13	Okanagan	662	51.39	3,179	246.80	926	71.89	663	51.47	2,041	158.45
14	Thompson/Cariboo	517	54.82	2,679	284.06	687	72.84	671	71.15	1,244	131.91
21	Fraser East	676	45.23	3,577	239.31	927	62.02	872	58.34	1,769	118.35
22	Fraser North	1,524	53.62	7,176	252.50	2,094	73.68	736	25.90	6,623	233.04
23	Fraser South	1,869	52.94	9,251	262.05	2,394	67.81	1,072	30.37	6,083	172.31
31	Richmond	405	52.14	2,117	272.53	483	62.18	95	12.23	2,083	268.15
32	Vancouver	1,559	54.67	7,227	253.45	2,046	71.75	489	17.15	8,155	286.00
33	North Shore/Coast Garibaldi	513	42.44	3,102	256.62	780	64.53	311	25.73	3,540	292.85
41	South Vancouver Island	728	52.62	3,733	269.80	1,020	73.72	514	37.15	2,943	212.71
42	Central Vancouver Island	471	46.89	2,528	251.69	749	74.57	798	79.45	1,492	148.55
43	North Vancouver Island	279	52.88	1,273	241.28	394	74.68	446	84.53	779	147.65
51	Northwest	217	41.45	1,352	258.26	364	69.53	494	94.36	622	118.82
52	Northern Interior	407	49.51	2,078	252.77	516	62.77	612	74.44	899	109.35
53	Northeast	165	38.33	981	227.87	197	45.76	377	87.57	409	95.01
	PROVINCIAL TOTAL	**10,272**	**50.65**	**51,699**	**254.91**	**13,940**	**68.73**	**8,594**	**42.37**	**39,648**	**195.49**

Please refer to footnotes on Table E

TABLE D

MORTALITY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 1999-2003

		01 All Causes of Death						02 Malignant Neoplasms						03 Malignant Neoplasms of Lung						04 End/Nut/Met. Diseases					
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.00		2,712	↘	0.94		1,123	1.02		789		0.93		439	1.11		225	↗	1.02		142	1.21	*	118	↗	0.66	*	49
12	Kootenay Boundary	1.05	*	3,463	↘	1.13	*	1,342	1.03		930	↘	1.04		496	1.02		239		1.10		157	1.15		135	↗	1.17		54
13	Okanagan	0.98	*	14,458	↘	1.03		4,974	0.99		4,037	↘	1.05		2,026	1.02		1,072		1.08		602	0.94		500	↗	1.05		177
14	Thompson/Cariboo	1.14	*	7,799	↘	1.29	*	3,762	1.07	*	2,157	↘	1.13	*	1,301	1.10	*	590	↘	1.12		380	1.16	*	286	↗	1.21		122
21	Fraser East	1.04	*	9,054	↘	1.12	*	3,607	1.05	*	2,522		1.11	*	1,371	1.06		650		1.24	*	418	1.19	*	370	↗	1.44	*	169
22	Fraser North	1.00		16,122	↘	0.86	*	6,368	1.02		4,501	↘	0.97		2,512	1.07	*	1,207	↘	1.04		747	1.06		600	↗	0.91		231
23	Fraser South	0.98	*	17,466	↘	0.92	*	7,003	0.97	*	4,918	↘	0.97		2,698	0.89	*	1,163	↘	0.90	*	702	0.97		619	↗	0.97		265
31	Richmond	0.78	*	4,105	↘	0.64	*	1,553	0.85	*	1,250	↘	0.83	*	699	0.92		348	↘	0.82	*	202	0.77	*	142	↗	0.62	*	51
32	Vancouver	0.98	*	19,328	↘	1.04	*	7,557	0.91	*	4,768	↘	0.90	*	2,457	0.94	*	1,234	↘	0.87	*	679	0.99		685	↗	1.00		244
33	North Shore/Coast Garibaldi	0.93	*	8,976	↘	0.80	*	3,193	0.93	*	2,491	↘	0.86	*	1,294	0.85	*	583	↘	0.76	*	339	0.87	*	298	↗	0.81		109
41	South Vancouver Island	0.98	*	16,127	↘	0.98		4,788	1.03	*	4,399	↘	1.07	*	2,015	0.95	*	1,011		0.94		498	0.81	*	474	↗	0.97		163
42	Central Vancouver Island	1.04	*	10,398	↘	1.14	*	4,152	1.05	*	2,991	↘	1.13	*	1,627	1.05		784	↘	1.15	*	465	0.95		345	↗	0.95		134
43	North Vancouver Island	1.07	*	3,802	↘	1.16	*	1,765	1.11	*	1,152	↘	1.15	*	692	1.24	*	337	↘	1.31	*	227	1.11		140	↗	0.96		56
51	Northwest	1.23	*	2,064	↘	1.31	*	1,235	1.06		530	↘	1.02		369	1.08		142		1.10		108	1.28	*	74	↗	1.51		41
52	Northern Interior	1.22	*	3,885	↘	1.20	*	2,206	1.20	*	1,151		1.10		748	1.30	*	329	↘	1.10		230	1.43	*	158		0.93		79
53	Northeast	1.15	*	1,444	↘	1.10	*	784	1.01		371		0.96		244	1.18		113		1.12		77	1.48	*	64	↗	1.33		36
	PROVINCIAL TOTAL	**1.00**		**141,219**	↘	**1.00**		**55,426**	**1.00**		**38,959**	↘	**1.00**		**20,989**	**1.00**		**10,028**	↘	**1.00**		**5,974**	**1.00**		**5,008**	↗	**1.00**		**1,980**

		05 Diabetes Mellitus						06 Diseases of the Circulatory System						07 Ischemic Heart Diseases						08 Cerebrovascular Diseases					
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.09		83		0.75		34	0.99		923	↘	0.90		264	0.95		446	↘	0.96		155	0.92		194	↘	0.81		38
12	Kootenay Boundary	1.22	*	112	↗	1.17		42	1.08	*	1,256	↘	1.07		350	1.17	*	674	↘	1.05		204	0.85	*	226	↘	1.09		55
13	Okanagan	0.93		390	↗	0.89		134	0.95	*	5,111	↘	0.98		1,166	0.88	*	2,346	↘	0.95		619	0.92	*	1,140	↘	0.97		206
14	Thompson/Cariboo	1.22	*	236	↗	1.27		100	1.13	*	2,607	↘	1.27	*	902	1.04		1,203	↘	1.21	*	477	1.08		551	↘	1.32	*	162
21	Fraser East	1.30	*	315	↗	1.73	*	144	1.05	*	3,216	↘	1.15	*	795	1.14	*	1,721	↘	1.15	*	456	0.94		656	↘	0.98		120
22	Fraser North	1.08		470	↗	1.03		187	1.06	*	5,783	↘	0.94		1,458	1.12	*	3,015	↘	1.01		873	1.03		1,298	↘	0.84	*	231
23	Fraser South	0.99		491	↗	1.04		215	1.04	*	6,258	↘	0.93	*	1,598	1.13	*	3,375	↘	0.98		944	0.99		1,366	↘	0.86		267
31	Richmond	0.79	*	114	↗	0.59	*	42	0.79	*	1,417	↘	0.69	*	368	0.82	*	723	↘	0.65	*	198	0.86	*	351	↘	0.91		75
32	Vancouver	0.91	*	491	↗	0.87		172	0.94	*	6,531	↘	1.04		1,648	0.92	*	3,131	↘	0.88	*	839	1.03		1,665	↘	1.22	*	335
33	North Shore/Coast Garibaldi	0.87	*	231		0.76	*	80	0.95	*	3,197	↘	0.76	*	709	0.90	*	1,497	↘	0.78	*	389	1.10	*	847	↘	0.66	*	137
41	South Vancouver Island	0.79	*	359	↗	0.91		118	0.94	*	5,737	↘	0.90	*	1,027	0.88	*	2,603	↘	0.90	*	584	1.01		1,454	↘	0.96		191
42	Central Vancouver Island	0.93		265	↗	0.95		95	1.06	*	3,731	↘	1.18	*	1,033	1.10	*	1,944	↘	1.28	*	606	0.98		783	↘	1.05		161
43	North Vancouver Island	1.12		111	↗	0.76		44	0.99		1,179	↘	1.08		385	0.92		552	↘	1.07		207	1.11		293	↘	1.37		87
51	Northwest	1.27		57	↗	1.20		27	1.22	*	622	↘	1.35	*	281	1.07		278	↘	1.31	*	144	1.18		129		1.69	*	55
52	Northern Interior	1.53	*	131		1.06		66	1.09	*	1,062	↘	1.16	*	455	0.97		486	↘	1.13		247	1.12		236	↘	1.18		88
53	Northeast	1.53	*	51	↗	1.60		30	1.20	*	467	↘	1.26	*	191	1.35	*	267	↘	1.62	*	133	0.85		72	↘	0.52	*	15
	PROVINCIAL TOTAL	**1.00**		**3,907**	↗	**1.00**		**1,530**	**1.00**		**49,099**	↘	**1.00**		**12,632**	**1.00**		**24,262**	↘	**1.00**		**7,076**	**1.00**		**11,262**	↘	**1.00**		**2,224**

		09 Dis. of Arteries, Arterioles, Capillaries						10 Diseases of the Respiratory System						11 Influenza and Pneumonia						12 Chronic Pulmonary Disease					
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	0.77		42	↘	0.48	*	9	0.94		261	↘	1.11		70	0.84		99		0.97		15	1.08		126	↘	1.37		43
12	Kootenay Boundary	1.49	*	101	↘	1.92	*	37	0.88	*	310		1.04		62	0.79	*	120		1.79		23	0.97		140		0.71		29
13	Okanagan	1.05		329	↘	1.34		81	0.95	*	1,559	↘	0.98		296	0.92	*	647	↘	0.78		64	0.99		671		1.07		166
14	Thompson/Cariboo	1.23	*	168	↘	1.25		64	1.13	*	774		1.44	*	244	0.92		259	↘	1.36		57	1.35	*	393	↗	1.43	*	135
21	Fraser East	0.95		170	↘	0.72		46	1.04		965		1.25		217	1.05		419		1.28		62	1.03		396		1.17		106
22	Fraser North	0.90		283	↘	0.72	*	72	1.06	*	1,724	↘	0.91		382	1.15	*	811	↘	0.87		121	1.02		673		0.95		188
23	Fraser South	1.02		358	↘	0.86		88	0.97		1,733	↘	0.82	*	361	1.00		756		0.84		103	0.92	*	684	↘	0.76	*	176
31	Richmond	0.75	*	78	↘	1.26		37	0.82	*	435	↘	0.45	*	65	0.87		200		0.37	*	19	0.76	*	165	↘	0.37	*	29
32	Vancouver	0.98		389	↘	1.48	*	130	1.01		2,111		1.04		433	1.09	*	1,022	↘	1.21		160	0.90	*	753		0.98		183
33	North Shore/Coast Garibaldi	0.93		181	↘	0.81		43	1.03		1,042	↘	0.94		190	1.21	*	529	↘	1.08		62	0.89	*	366	↘	0.81		100
41	South Vancouver Island	0.99		343	↘	0.68	*	52	0.92	*	1,710	↘	0.89		263	0.85	*	706	↘	0.70	*	57	0.93		688		0.99		145
42	Central Vancouver Island	1.02		213	↘	0.90		66	0.98		1,043		1.18		266	0.92		410	↘	1.07		67	0.98		439		1.13		142
43	North Vancouver Island	0.88		62	↘	0.53	*	15	0.98		346		1.07		85	0.68	*	100		0.98		16	1.25	*	186	↗	1.24		48
51	Northwest	1.13		34	↘	0.96		15	1.46	*	214		1.48		75	1.53	*	90		1.37		23	1.35	*	84	↗	1.37		31
52	Northern Interior	1.14		66	↘	1.04		27	1.43	*	403		1.11		132	1.24	*	141	↘	1.04		31	1.81	*	217	↗	1.52	*	81
53	Northeast	1.45		33		1.30		15	1.19		134		1.11		37	1.16		54		1.70		13	1.34	*	63	↘	0.89		18
	PROVINCIAL TOTAL	**1.00**		**2,850**	↘	**1.00**		**797**	**1.00**		**14,764**	↘	**1.00**		**3,178**	**1.00**		**6,363**	↘	**1.00**		**893**	**1.00**		**6,044**		**1.00**		**1,620**

Please refer to footnotes on Table E

TABLE D

MORTALITY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 1999-2003

		13 Diseases of the Digestive System						14 Motor Vehicle Accidents						15 Accidental Falls						16 Suicide					
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.01		107	↘	0.76		46	1.60	*	62		1.72	*	56	0.99		31		1.48		8	1.22		55		1.29		53
12	Kootenay Boundary	1.04		132		1.27		61	1.94	*	78		2.22	*	71	1.65	*	65	↗	1.05		9	1.14		53	↘	1.09		49
13	Okanagan	0.98		552		1.01		212	1.30	*	203	↘	1.28	*	164	1.05		187		1.51		48	1.15		203		1.22	*	180
14	Thompson/Cariboo	1.25	*	337	↘↗	1.36	*	190	2.15	*	225	↘	2.08	*	203	1.51	*	114		1.63	*	42	1.19	*	145	↘	1.27	*	136
21	Fraser East	0.98		326	↘	1.03		142	1.18		142	↘	1.24	*	129	0.69	*	71		0.75		20	1.08		146	↘	1.09		137
22	Fraser North	0.95		597	↘	0.83	*	259	0.62	*	161	↘	0.60	*	142	0.76	*	146	↘	0.68	*	42	0.85	*	263	↘	0.81	*	246
23	Fraser South	0.90	*	630	↘	0.88		301	0.94		270	↘	0.92		233	0.75	*	155	↘	0.57	*	31	0.82	*	272	↘	0.85	*	255
31	Richmond	0.68	*	141	↘	0.42	*	48	0.50	*	42	↘	0.57	*	36	0.74	*	46	↘	0.43	*	11	0.57	*	56	↘	0.47	*	49
32	Vancouver	1.08	*	820	↘	1.19	*	372	0.58	*	168	↘	0.48	*	135	0.94		232	↘	1.40	*	75	1.03		354	↘	0.97		331
33	North Shore/Coast Garibaldi	0.93		349	↘	0.81	*	135	0.73	*	94	↘	0.80	*	84	0.85		97	↘	1.22		24	0.93		143	↘	0.89		126
41	South Vancouver Island	0.95		595	↘	0.90		193	0.49	*	85	↘	0.53	*	69	1.30	*	272		1.25		85	1.10		216		1.06		191
42	Central Vancouver Island	1.05		404	↘	1.17		188	0.99		118	↘	1.16		106	1.15		132	↘	1.09		25	1.17		160	↘	1.31	*	150
43	North Vancouver Island	1.23	*	171		1.04		88	0.82		45	↘	0.96		41	1.04		41		0.78		13	1.13		73		1.14		71
51	Northwest	1.50	*	100		1.69	*	67	1.75	*	68	↘	1.82	*	64	1.07		19		0.61		9	1.40	*	64		1.41	*	63
52	Northern Interior	1.20	*	152	↘	1.30		104	2.16	*	154	↘	1.83	*	142	1.30		44	↘	0.47	*	13	1.07		89	↘	1.15		88
53	Northeast	0.93		46	↘	1.11		28	2.67	*	79		2.44	*	77	1.74	*	24		1.08		8	0.82		28	↘	0.95		28
	PROVINCIAL TOTAL	**1.00**		**5,459**	↘	**1.00**		**2,434**	**1.00**		**1,994**	↘	**1.00**		**1,752**	**1.00**		**1,676**	↘	**1.00**		**613**	**1.00**		**2,324**	↘	**1.00**		**2,157**

		17 Alcohol-Related Deaths						18 Medically Treatable Disease						19 Drug-Induced Deaths					
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.24	*	232	↗	1.21		182	0.87		12		0.95		12	0.51	*	20		0.53	*	20
12	Kootenay Boundary	1.39	*	286	↗	1.43	*	196	0.91		13		1.14		13	0.79		31	↗	0.67	*	30
13	Okanagan	1.04		891	↗	1.23	*	667	0.68	*	35	↘	0.80		35	1.08		159	↗	1.11		153
14	Thompson/Cariboo	1.42	*	705	↗	1.65	*	568	1.13		42		1.20		42	0.98		103	↗	1.12		102
21	Fraser East	0.81	*	441	↗	0.87	*	346	1.24		48	↗	1.26		48	1.03		121	↗	0.99		117
22	Fraser North	0.82	*	907	↗	0.69	*	687	0.93		86		0.88		86	0.87	*	248		0.87	*	241
23	Fraser South	0.71	*	880	↗	0.73	*	681	1.08		108	↗	1.01		108	0.92		273	↗	0.95		261
31	Richmond	0.47	*	173	↗	0.36	*	124	0.65		20		0.61	*	20	0.31	*	27		0.26	*	24
32	Vancouver	1.08	*	1,348	↗	1.12	*	1,090	1.11		109	↘	1.08		109	1.54	*	493		1.50	*	481
33	North Shore/Coast Garibaldi	0.88	*	550	↗	0.79	*	394	1.06		50		1.07		50	0.61	*	82		0.61	*	78
41	South Vancouver Island	1.07	*	945	↗	1.03		629	0.87		50		0.85		50	1.37	*	234	↗	1.33	*	215
42	Central Vancouver Island	1.13	*	713	↗	1.22	*	534	0.66		35	↘	0.90		35	0.93		107	↗	0.97		104
43	North Vancouver Island	1.35	*	351	↗	1.20	*	263	1.15		23		1.26		23	1.12		63	↗	1.11		61
51	Northwest	1.78	*	265	↗	1.79	*	233	0.96		13	↘	0.94		13	0.72		30		0.70	*	29
52	Northern Interior	1.25	*	347	↗	1.17	*	298	1.43	*	36		1.28		36	0.80		60		0.78	*	60
53	Northeast	1.37	*	148	↗	1.31	*	129	1.21		12	↗	1.31		12	0.29	*	9		0.26	*	8
	PROVINCIAL TOTAL	**1.00**		**9,184**	↗	**1.00**		**7,023**	**1.00**		**692**	↘	**1.00**		**692**	**1.00**		**2,063**	↗	**1.00**		**1,987**

Please refer to footnotes on Table E

TABLE E

SUMMARY STATISTICS BY HEALTH AUTHORITY

BRITISH COLUMBIA, 1999-2003

	Health Authority	2003 Population	Live Birth Total	Live Birth Rate	Stillbirth Total	Stillbirth Rate[2]	Death Total	Death Rate	Infant Death Total	Infant Death Rate[1]
01	Interior	689,147	28,843	8.42	186	6.41	28,432	2.74	118	4.09
02	Fraser	1,445,338	78,669	11.29	512	6.47	42,642	3.54	291	3.70
03	Vancouver Coastal	1,020,538	48,370	9.54	397	8.14	32,409	3.80	183	3.78
04	Vancouver Island	695,951	29,156	8.41	186	6.34	30,327	6.11	142	4.87
05	Northern	295,606	17,761	11.87	164	9.15	7,393	4.94	77	4.34
	PROVINCIAL TOTAL	**4,146,580**	**202,816**	**9.93**	**1,446**	**7.08**	**141,219**	**6.91**	**811**	**4.00**

	Health Authority	Low Birth Wt. Live Birth Total	Low Birth Wt. Live Birth Rate[1]	Cesarean Total	Cesarean Rate[1]	Pre-term Total	Pre-term Rate[1]	Teenage Mother Total	Teenage Mother Rate[1]	Elderly Gravida Total	Elderly Gravida Rate[1]
01	Interior	1,458	50.55	7,300	253.09	1,975	68.47	1,778	61.64	4,246	147.21
02	Fraser	4,069	51.72	20,004	254.28	5,415	68.83	2,680	34.07	14,475	184.00
03	Vancouver Coastal	2,477	51.21	12,446	257.31	3,309	68.41	895	18.50	13,778	284.85
04	Vancouver Island	1,478	50.69	7,534	258.40	2,163	74.19	1,758	60.30	5,214	178.83
05	Northern	789	44.42	4,411	248.35	1,077	60.64	1,483	83.50	1,930	108.67
	PROVINCIAL TOTAL	**10,272**	**50.65**	**51,699**	**254.91**	**13,940**	**68.73**	**8,594**	**42.37**	**39,648**	**195.49**

Note: Total is the number of events in the specified category for the five year time period.
Infant Death - deaths of children under one year of age.
Low Birth Weight live births - live births with birth weight <2,500 grams.
Cesarean - live births delivered by cesarean section.
Pre-term - live births with gestational age <37 weeks.
Teenage Mother - live births to mothers under 20 years of age.
Elderly Gravida - live births to mothers 35 years of age or older.
Death is the total number of deaths from the specified cause for the five year time period.
D<75 is the number of deaths under 75 years of age from the specified cause.
SMR - Standardized Mortality Ratio.
PYLLI - Potential Years of Life Lost Index.
Rate - per 1,000 population in the specified area.
Rate[1] - rate per 1,000 live births in the specified area.
Rate[2] - per 1,000 total births in the specified area.
SMR, PYLLI, and Rate are based on the five year period ending with the current year.
* Statistical testing indicates that observed deaths are statistically different from the expected deaths ($p<0.05$, two tailed).
+ Denotes statistical significance based on less than five cases.
TR - Trend in ASMR based on three year moving average from 1986 to the current year:
↗ indicates a statistically significantly positive (increasing) trend,
↘ indicates a statistically significantly negative (decreasing) trend,
and trends are not shown in areas where the number of deaths for 1986 to current year was small.
TR* - Trends reflects change in *Medical Certification of Death* introduced in 1993. The revised form contained questions about lifestyle factors including abuse of alcohol, which resulted in increased reporting of deaths indirectly related to alcohol.
HSDA 32 Vancouver may include unspecified Vancouver addresses.
N.S. - Not Stated.
Non-residents are excluded.
Counts and rates for pre-term live births corrected on Feb 8, 2005.

TABLE F
MORTALITY STATISTICS BY HEALTH AUTHORITY
BRITISH COLUMBIA, 1999-2003

		01 All Causes of Death						02 Malignant Neoplasms						03 Malignant Neoplasms of Lung						04 End/Nut/Met. Diseases					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.03	*	28,432	↘	1.11	*	11,201	1.02		7,913	↘	1.06	*	4,262	1.05	*	2,126		1.09	*	1,281	1.05		1,039	↗	1.07		402
02	Fraser	1.00		42,642	↘	0.93	*	16,978	1.01		11,941	↘	0.99		6,581	0.99		3,020	↘	1.02		1,867	1.05	*	1,589	↗	1.03		665
03	Vancouver Coastal	0.93	*	32,409	↘	0.91	*	12,303	0.91	*	8,509	↘	0.87	*	4,450	0.91	*	2,165	↘	0.83	*	1,220	0.92	*	1,125	↗	0.88		404
04	Vancouver Island	1.01		30,327	↘	1.07	*	10,705	1.05	*	8,542	↘	1.10	*	4,334	1.02		2,132	↘	1.07		1,190	0.89	*	959	↗	0.96		353
05	Northern	1.21	*	7,393	↘	1.21	*	4,225	1.13	*	2,052	↘	1.05		1,361	1.22	*	584		1.10		415	1.40	*	296	↗	1.18		156
	PROVINCIAL TOTAL	**1.00**		**141,219**	↘	**1.00**		**55,426**	**1.00**		**38,959**	↘	**1.00**		**20,989**	**1.00**		**10,028**	↘	**1.00**		**5,974**	**1.00**		**5,008**	↗	**1.00**		**1,980**

		05 Diabetes Mellitus						06 Diseases of the Circulatory System						07 Ischaemic Heart Diseases						08 Cerebrovascular Diseases					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.05		821	↗	1.03		310	1.01		9,897	↘	1.07	*	2,682	0.96	*	4,669	↘	1.04		1,455	0.95	*	2,111	↘	1.07		451
02	Fraser	1.09	*	1,276	↗	1.16	*	546	1.05	*	15,257	↘	0.97		3,851	1.13	*	8,111	↘	1.02		2,273	0.99		3,320	↘	0.87	*	618
03	Vancouver Coastal	0.88	*	836	↗	0.79	*	294	0.92	*	11,145	↘	0.90	*	2,725	0.90	*	5,351	↘	0.81	*	1,426	1.02		2,863	↘	1.01		547
04	Vancouver Island	0.87	*	735	↗	0.90		257	0.99		10,647	↘	1.03		2,445	0.96	*	5,099	↘	1.07		1,397	1.01		2,530	↘	1.06		439
05	Northern	1.46	*	239	↗	1.21		123	1.15	*	2,151	↘	1.23	*	927	1.08	*	1,031	↘	1.28	*	524	1.08		437	↘	1.19		158
	PROVINCIAL TOTAL	**1.00**		**3,907**	↗	**1.00**		**1,530**	**1.00**		**49,099**	↘	**1.00**		**12,632**	**1.00**		**24,262**	↘	**1.00**		**7,076**	**1.00**		**11,262**	↘	**1.00**		**2,224**

		09 Dis. of Arteries, Arterioles, Capillaries						10 Diseases of the Respiratory System						11 Influenza and Pneumonia						12 Chronic Pulmonary Disease					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.12	*	640	↘	1.28	*	191	0.98		2,904	↘	1.14	*	672	0.90	*	1,125	↘	1.10		159	1.08	*	1,330		1.17	*	373
02	Fraser	0.96		811	↘	0.78	*	206	1.02		4,422	↘	0.93		960	1.06	*	1,986	↘	0.93		286	0.98	*	1,753	↘	0.91		470
03	Vancouver Coastal	0.93		648	↘	1.25	*	210	0.99		3,588	↘	0.91		688	1.10	*	1,751	↘	1.03		241	0.88	*	1,284	↘	0.83	*	312
04	Vancouver Island	0.99		618	↘	0.73	*	133	0.94	*	3,099	↘	1.02		614	0.85	*	1,216	↘	0.88		140	0.98		1,313		1.08	*	335
05	Northern	1.20	*	133	↘	1.07		57	1.39	*	751		1.21		244	1.30	*	285	↘	1.27		67	1.59	*	364	↗	1.36	*	130
	PROVINCIAL TOTAL	**1.00**		**2,850**	↘	**1.00**		**797**	**1.00**		**14,764**	↘	**1.00**		**3,178**	**1.00**		**6,363**	↘	**1.00**		**893**	**1.00**		**6,044**		**1.00**		**1,620**

		13 Diseases of the Digestive System						14 Motor Vehicle Accidents						15 Accidental Falls						16 Suicide					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.06		1,128	↘	1.12		509	1.67	*	568	↘	1.71	*	494	1.23	*	397		1.49	*	107	1.17	*	456	↘	1.23	*	418
02	Fraser	0.94	*	1,553	↘	0.89	*	702	0.86	*	573	↘	0.85	*	504	0.74	*	372	↘	0.64	*	93	0.88	*	681	↘	0.87	*	638
03	Vancouver Coastal	0.98		1,310	↘	0.95		555	0.61	*	304	↘	0.57	*	255	0.89	*	375	↘	1.19		110	0.93	*	553	↘	0.87	*	506
04	Vancouver Island	1.02		1,170	↘	1.02		469	0.72	*	248	↘	0.82	*	216	1.22	*	445		1.12		73	1.13	*	449		1.16	*	412
05	Northern	1.23	*	298	↘	1.37	*	199	2.15	*	301	↘	1.96	*	283	1.33	*	87	↘	0.64	*	30	1.11		181	↘	1.18		179
	PROVINCIAL TOTAL	**1.00**		**5,459**	↘	**1.00**		**2,434**	**1.00**		**1,994**	↘	**1.00**		**1,752**	**1.00**		**1,676**	↘	**1.00**		**413**	**1.00**		**2,324**	↘	**1.00**		**2,157**

		17 Alcohol-Related Deaths						18 Medically Treatable Disease						19 Drug-Induced Deaths					
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.21	*	2,114	↗	1.39	*	1,613	0.87		102		0.99		102	0.95		313	↗	0.99		305
02	Fraser	0.77	*	2,228	↗	0.74	*	1,714	1.04		242	↗	1.00		242	0.92	*	642	↗	0.92	*	619
03	Vancouver Coastal	0.92	*	2,071	↗	0.91	*	1,608	1.02		179	↘	0.99		179	1.11	*	602		1.09		583
04	Vancouver Island	1.13	*	2,009	↗	1.12	*	1,426	0.91		108		0.94		108	1.18	*	404	↗	1.18	*	380
05	Northern	1.42	*	760	↗	1.37	*	660	1.26		61		1.19		61	0.67	*	99		0.64	*	97
	PROVINCIAL TOTAL	**1.00**		**9,184**	↗	**1.00**		**7,023**	**1.00**		**692**	↘	**1.00**		**692**	**1.00**		**2,063**	↗	**1.00**		**1,987**

Please refer to footnotes on Table E